

Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 inch Area Sketch Map\EAP CBR 6in Field Map 101.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
	CCR UNIT BOUNDARY		APPROXIMATE EDGE OF SURFACE WATER		EXISTING PIEZOMETER AND IDENTIFICATION
	EXISTING TOPOGRAPHIC CONTOURS (2' INTERVALS) (FROM AERIAL SURVEY - SEE GENERAL NOTE 1a)		LIMITS OF 100-YR FLOOD PLAIN		EXISTING MANHOLE
	APPROX. POND BOTTOM CONTOURS (2' INTERVALS) (SEE GENERAL NOTE 1c)		BASE FLOOD ELEVATION (100-YEAR, SEE NOTE 4)		APPROXIMATE CLEAN CLOSURE PHASE LIMITS (SUBJECT TO CHANGE BASED ON FIELD CONDITIONS DURING EXCAVATION AND MAY INCLUDE SUB-PHASES)
	EXISTING UNPAVED ROAD		EXISTING TREE LINE		
	EXISTING RAILROAD		EXISTING FENCE		
	WETLANDS		EXISTING OVERHEAD UTILITY LINE		
			EXISTING UNDERGROUND ELECTRIC LINE		

GENERAL NOTES

- EXISTING CONDITIONS COMPILED FROM:
 - AERIAL TOPOGRAPHIC SURVEY PREPARED BY MCKENZIE SNYDER, INC., DATE OF AERIAL PHOTO: 1/16/15 [CONTROL PREPARED BY H&B SURVEYING & MAPPING (H&B)]
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 - TOPOGRAPHY WITHIN THE LIMITS OF THE EAST ASH POND BASED ON MONTHLY EXCAVATION SURVEY.
- SITE DATUM: NAD83 / NAVD88
- WETLAND DELINEATION BY DOMINION ENVIRONMENTAL SERVICES ON 01/30/15 & 02/05/15 AND BY GOLDER ASSOCIATES ON 03/16/15 & 03/25/15. WATERS OF THE U.S. CONFIRMED BY THE USACE DURING JUNE 4, 2015 SITE VISIT.
- 100 YEAR FLOOD PLAIN DELINEATION BASED ON FLOOD ELEVATION DATA REPRESENTED ON FEMA FLOOD INSURANCE RATE MAP (FIRM), MAP NUMBER 51065C0260C, EFFECTIVE DATE: 05/16/2008.

CLOSURE BY REMOVAL NOTES

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PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
0

FIGURE
1

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

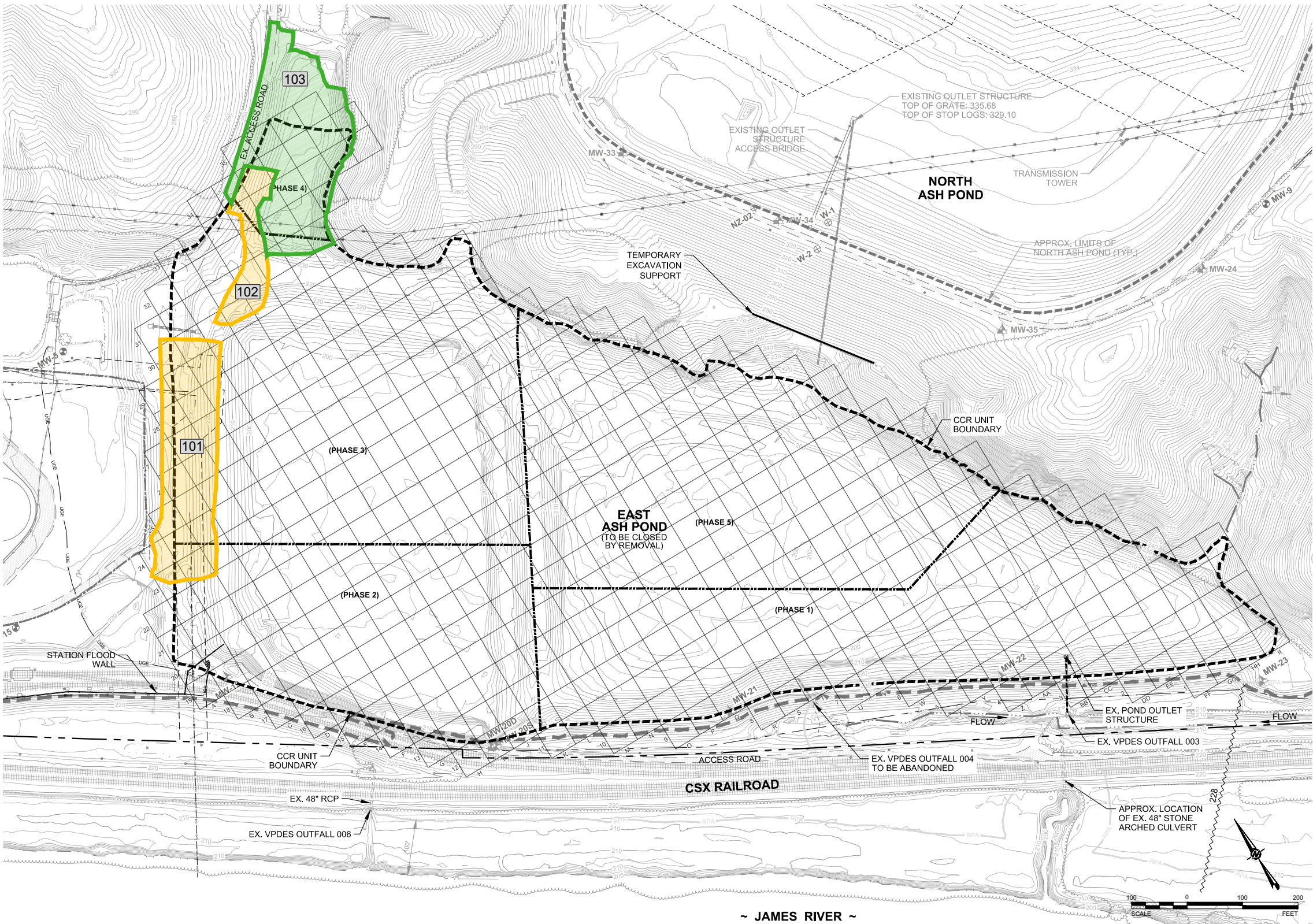
CONSULTANT

GOLDER ASSOCIATES
2108 WEST LABURNUM AVENUE
SUITE 200
RICHMOND, VA 23227
(804) 358-7900
www.golder.com



1 in = IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: G:\Projects\Dominion\Brem152-0547QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 inch Removal.dwg - 6 inch Area Sketch Map/EAP CBR for Field Map 103.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
	CCR UNIT BOUNDARY		APPROXIMATE EDGE OF SURFACE WATER		EXISTING PIEZOMETER AND IDENTIFICATION
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	EXISTING UNPAVED ROAD		EXISTING TREE LINE		
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CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
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FIGURE
3

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

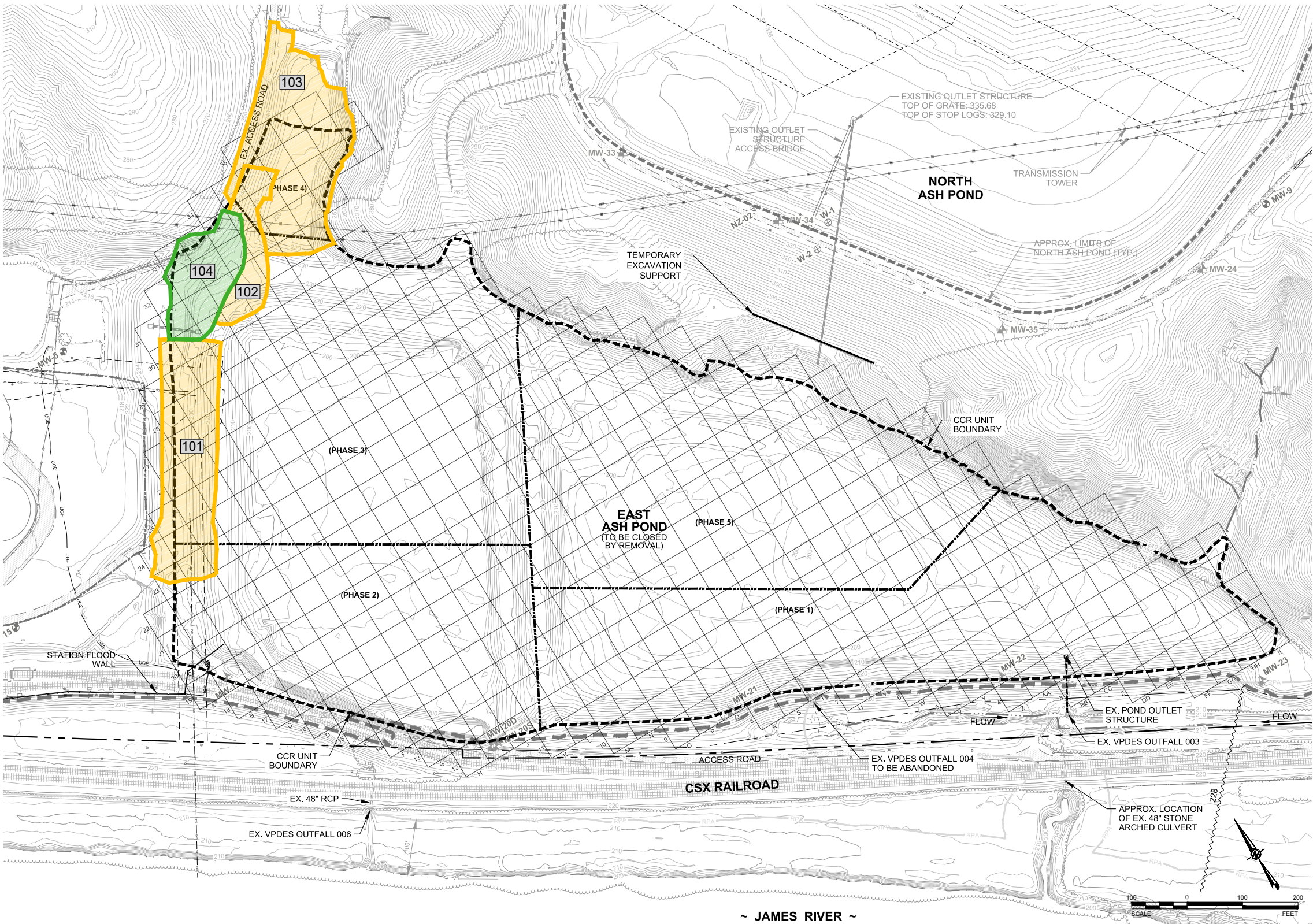
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1 in = 100 feet (IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D)

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LEGEND

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WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
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FIGURE
4

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

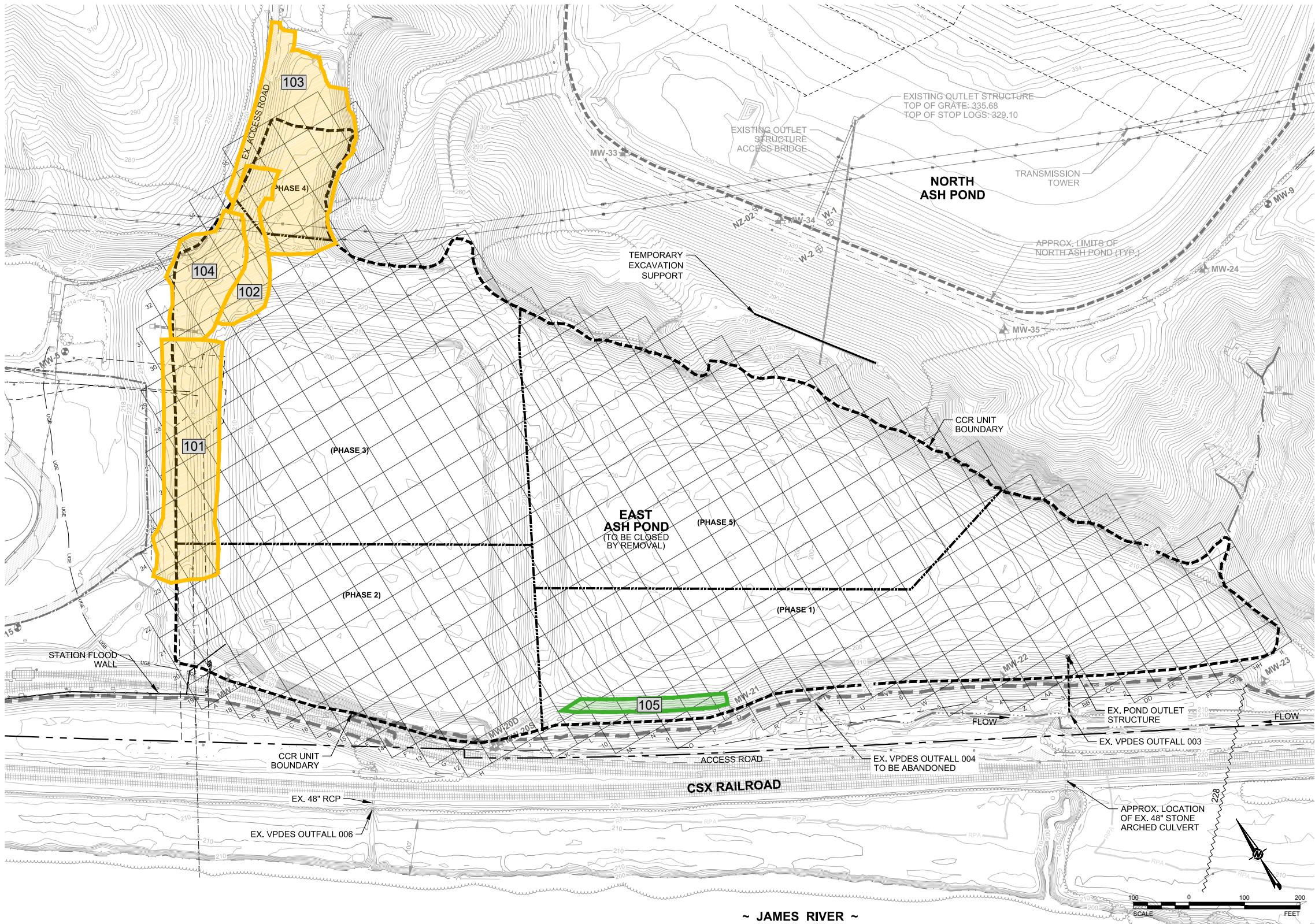
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LEGEND

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CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
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FIGURE
5

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

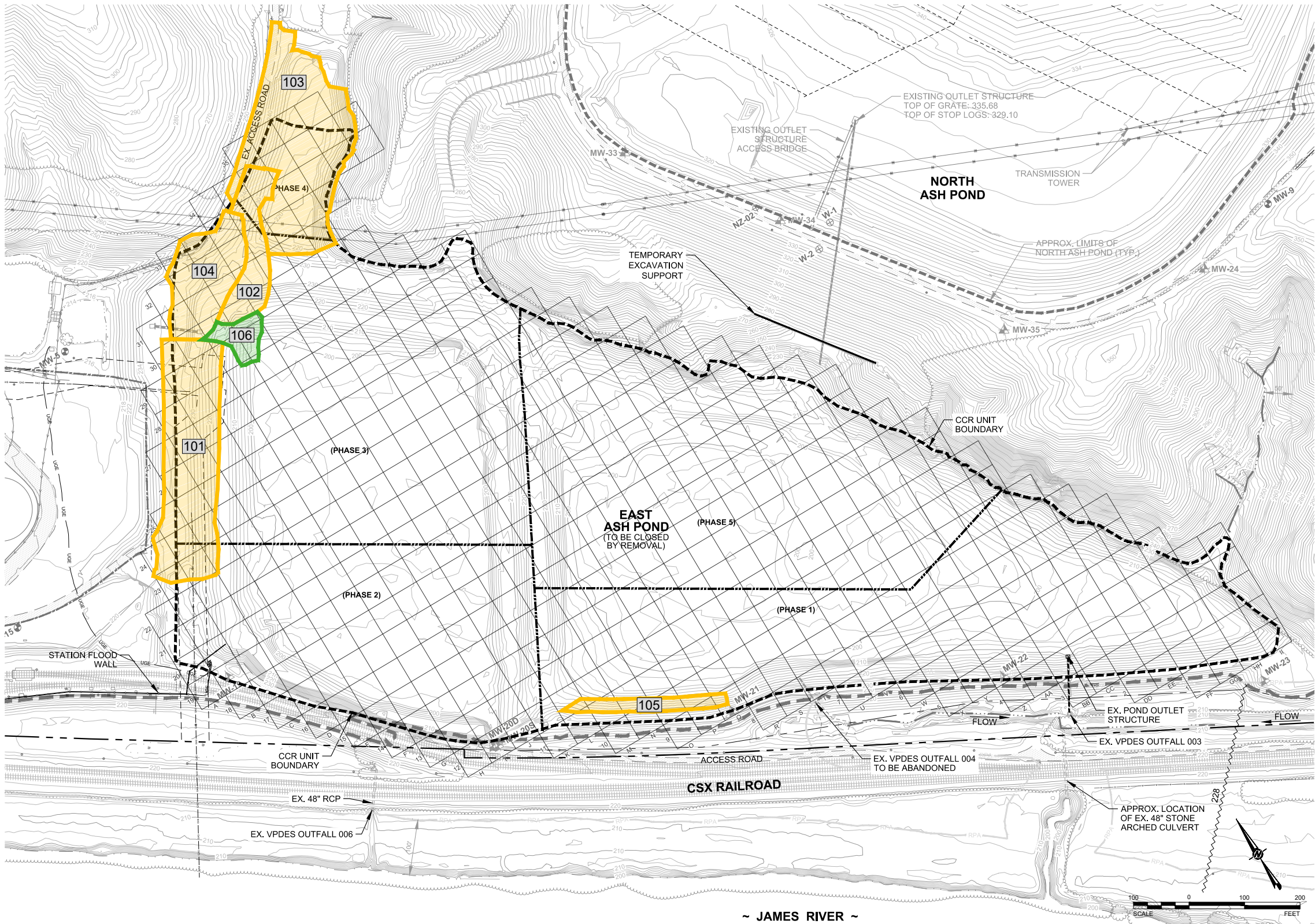
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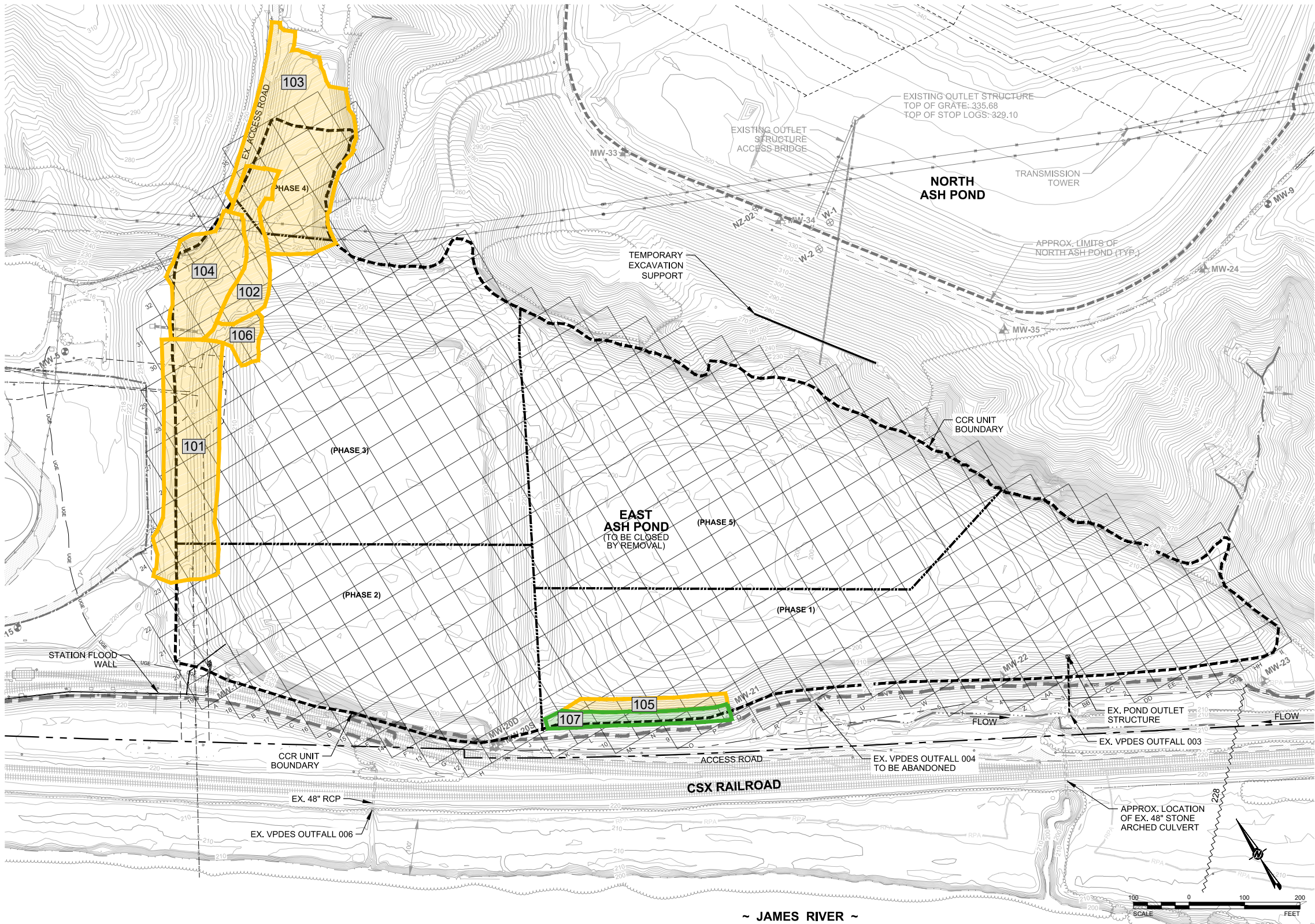
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PROJECT	CLIENT	PROJECT NO.	TITLE	CONSULTANT	REV.	MM/DD/YY	DESCRIPTION	ATN	CADD	CHECK	REVIEW
CLOSURE BY REMOVAL PLAN	DOMINION ENERGY	15-20347QA	EAST ASH POND SIX INCH REMOVAL CERTIFICATION CBR FIELD MAP	GOLDER ASSOCIATES 2108 WEST LABURNUM AVENUE SUITE 200 RICHMOND, VA 23227 (804) 358-7900 www.golder.com	0	08/22/18	Area Sketch Map	ATN	DESIGN	CADD	CHECK
WEST ASH POND & EAST ASH POND	BREMO POWER STATION	15-20347QA	SOLID WASTE PERMIT No. 618	GOLDER ASSOCIATES 2108 WEST LABURNUM AVENUE SUITE 200 RICHMOND, VA 23227 (804) 358-7900 www.golder.com	0	08/22/18	Area Sketch Map	ATN	DESIGN	CADD	CHECK
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LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
	CCR UNIT BOUNDARY		APPROXIMATE EDGE OF SURFACE WATER		EXISTING PIEZOMETER AND IDENTIFICATION
	EXISTING TOPOGRAPHIC CONTOURS (2' INTERVALS) (FROM AERIAL SURVEY - SEE GENERAL NOTE 1a)		LIMITS OF 100-YR FLOOD PLAIN		EXISTING MANHOLE
	APPROX. POND BOTTOM CONTOURS (2' INTERVALS) (SEE GENERAL NOTE 1c)		BASE FLOOD ELEVATION (100-YEAR, SEE NOTE 4)		APPROXIMATE CLEAN CLOSURE PHASE LIMITS (SUBJECT TO CHANGE BASED ON FIELD CONDITIONS DURING EXCAVATION AND MAY INCLUDE SUB-PHASES)
	EXISTING UNPAVED ROAD		EXISTING TREE LINE		
	EXISTING RAILROAD		EXISTING FENCE		
	WETLANDS		EXISTING OVERHEAD UTILITY LINE		
			EXISTING UNDERGROUND ELECTRIC LINE		

GENERAL NOTES

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 - AERIAL TOPOGRAPHIC SURVEY PREPARED BY MCKENZIE SNYDER, INC., DATE OF AERIAL PHOTO: 1/16/15 [CONTROL PREPARED BY H&B SURVEYING & MAPPING (H&B)]
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 - TOPOGRAPHY WITHIN THE LIMITS OF THE EAST ASH POND BASED ON MONTHLY EXCAVATION SURVEY.
- SITE DATUM: NAD83 / NAVD88
- WETLAND DELINEATION BY DOMINION ENVIRONMENTAL SERVICES ON 01/30/15 & 02/05/15 AND BY GOLDER ASSOCIATES ON 03/16/15 & 03/25/15. WATERS OF THE U.S. CONFIRMED BY THE USACE DURING JUNE 4, 2015 SITE VISIT.
- 100 YEAR FLOOD PLAIN DELINEATION BASED ON FLOOD ELEVATION DATA REPRESENTED ON FEMA FLOOD INSURANCE RATE MAP (FIRM), MAP NUMBER 51065C0260C, EFFECTIVE DATE: 05/16/2008.

CLOSURE BY REMOVAL NOTES

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PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

CONSULTANT

GOLDER ASSOCIATES
2108 WEST LABURNUM AVENUE
SUITE 200
RICHMOND, VA 23227
(804) 358-7900
www.golder.com



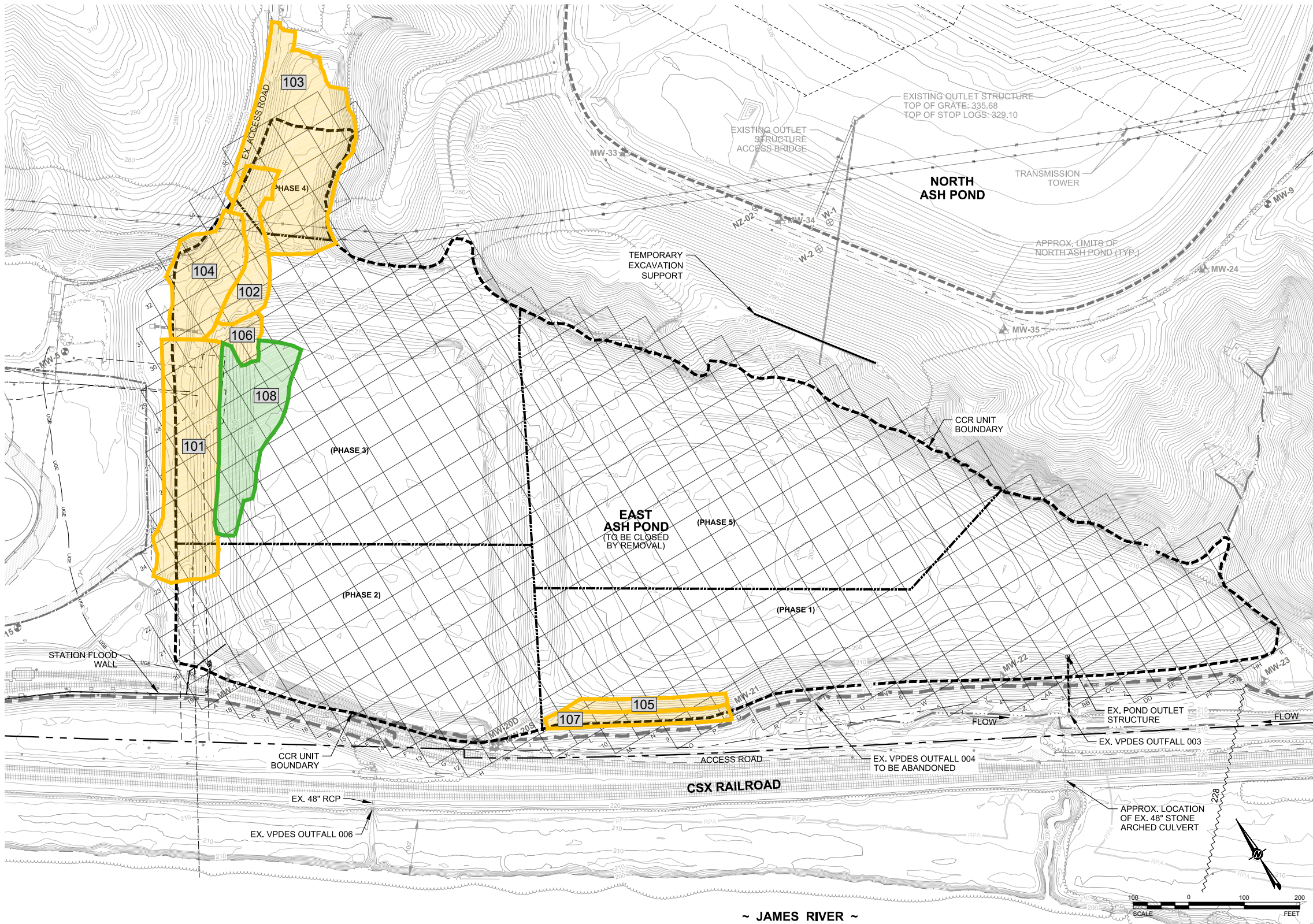
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FIGURE
7

1 in
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

0 09/05/18 Area Sketch Map
REV. MW/DD/YY DESCRIPTION ATN CADD CHECK REVIEW

Path: G:\Projects\Dominion\Brem152-0547QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 inch Area Sketch Map\EAP CBR 6in Field Map 108.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
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	EXISTING TOPOGRAPHIC CONTOURS (2' INTERVALS) (FROM AERIAL SURVEY - SEE GENERAL NOTE 1a)		LIMITS OF 100-YR FLOOD PLAIN		EXISTING MANHOLE
	APPROX. POND BOTTOM CONTOURS (2' INTERVALS) (SEE GENERAL NOTE 1c)		BASE FLOOD ELEVATION (100-YEAR, SEE NOTE 4)		APPROXIMATE CLEAN CLOSURE PHASE LIMITS (SUBJECT TO CHANGE BASED ON FIELD CONDITIONS DURING EXCAVATION AND MAY INCLUDE SUB-PHASES)
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PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
0

FIGURE
08

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

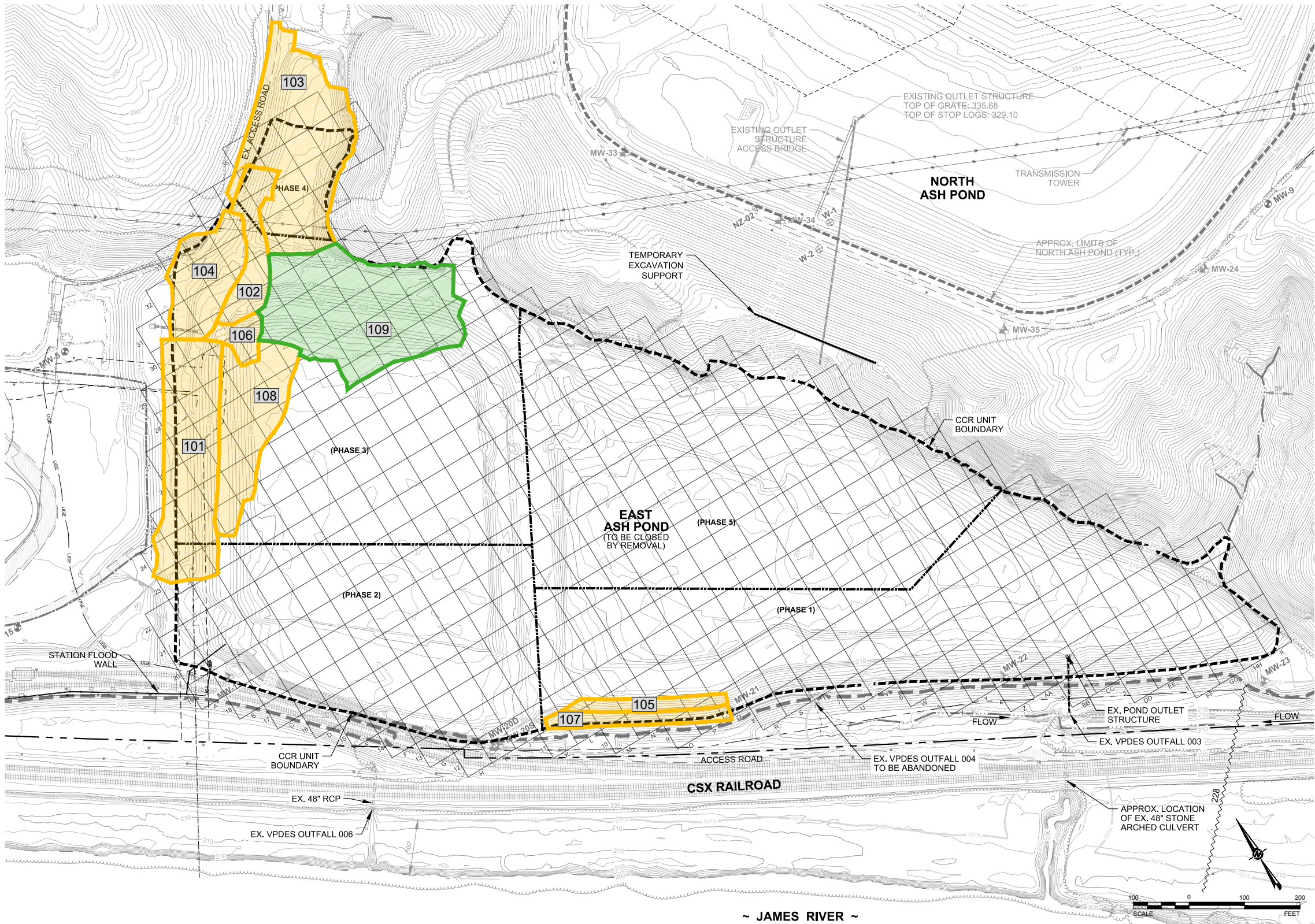
CONSULTANT

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1 in = 100 feet IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: G:\Projects\Dominion\Brem152-0347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 inch Area Sketch Map\EAP CBR 6in Field Map 109.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
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PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
0

FIGURE
9

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

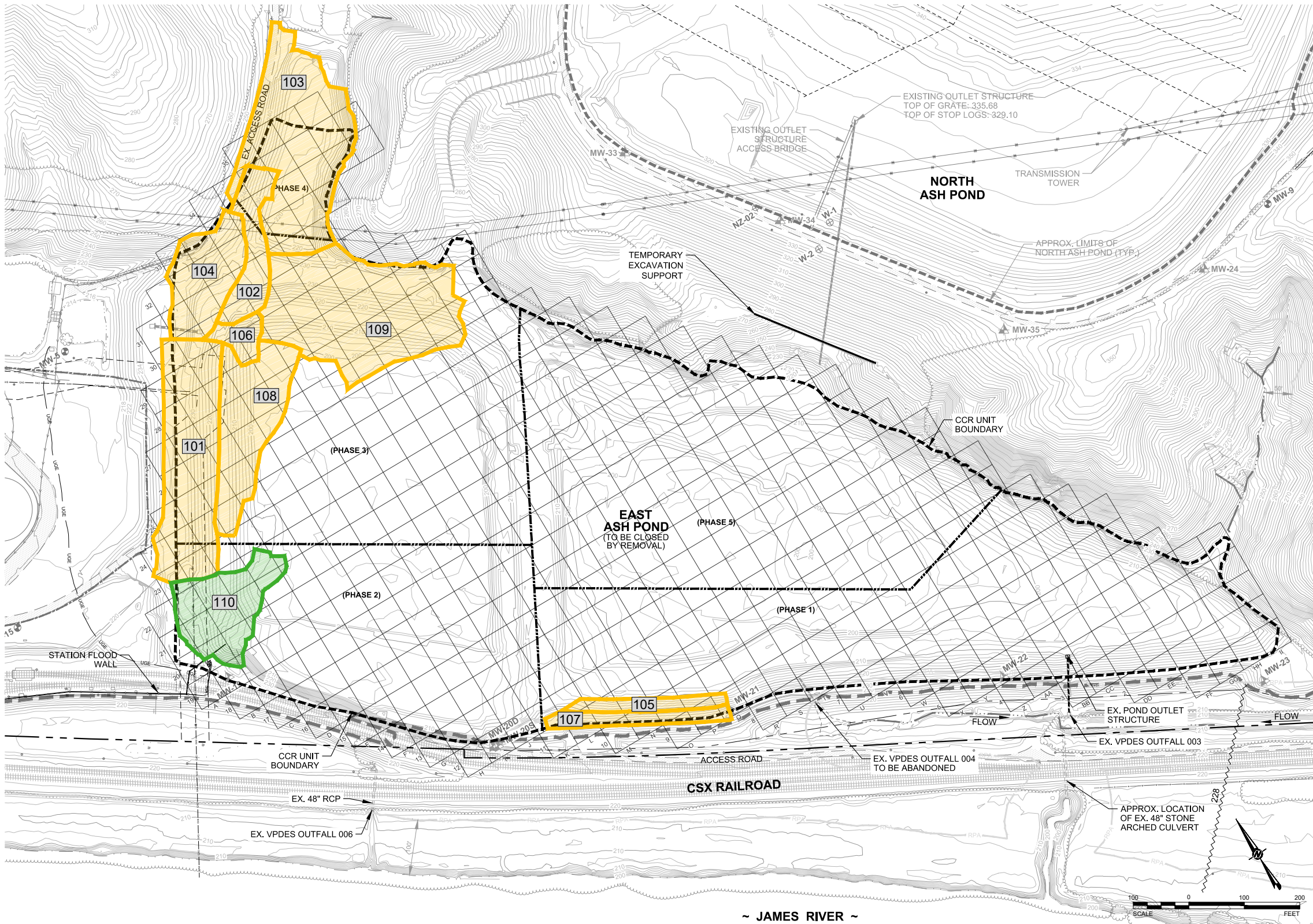
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Path: G:\Projects\Dominion\Brem152-0547QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 inch Area Sketch Map\EAP CBR 6in Field Map 110.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		MW-5	EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		NZ-02	EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
	CCR UNIT BOUNDARY		APPROXIMATE EDGE OF SURFACE WATER		MH	EXISTING PIEZOMETER AND IDENTIFICATION
	EXISTING TOPOGRAPHIC CONTOURS (2' INTERVALS) (FROM AERIAL SURVEY - SEE GENERAL NOTE 1a)		LIMITS OF 100-YR FLOOD PLAIN			EXISTING MANHOLE
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PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
0

FIGURE
10

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

CONSULTANT

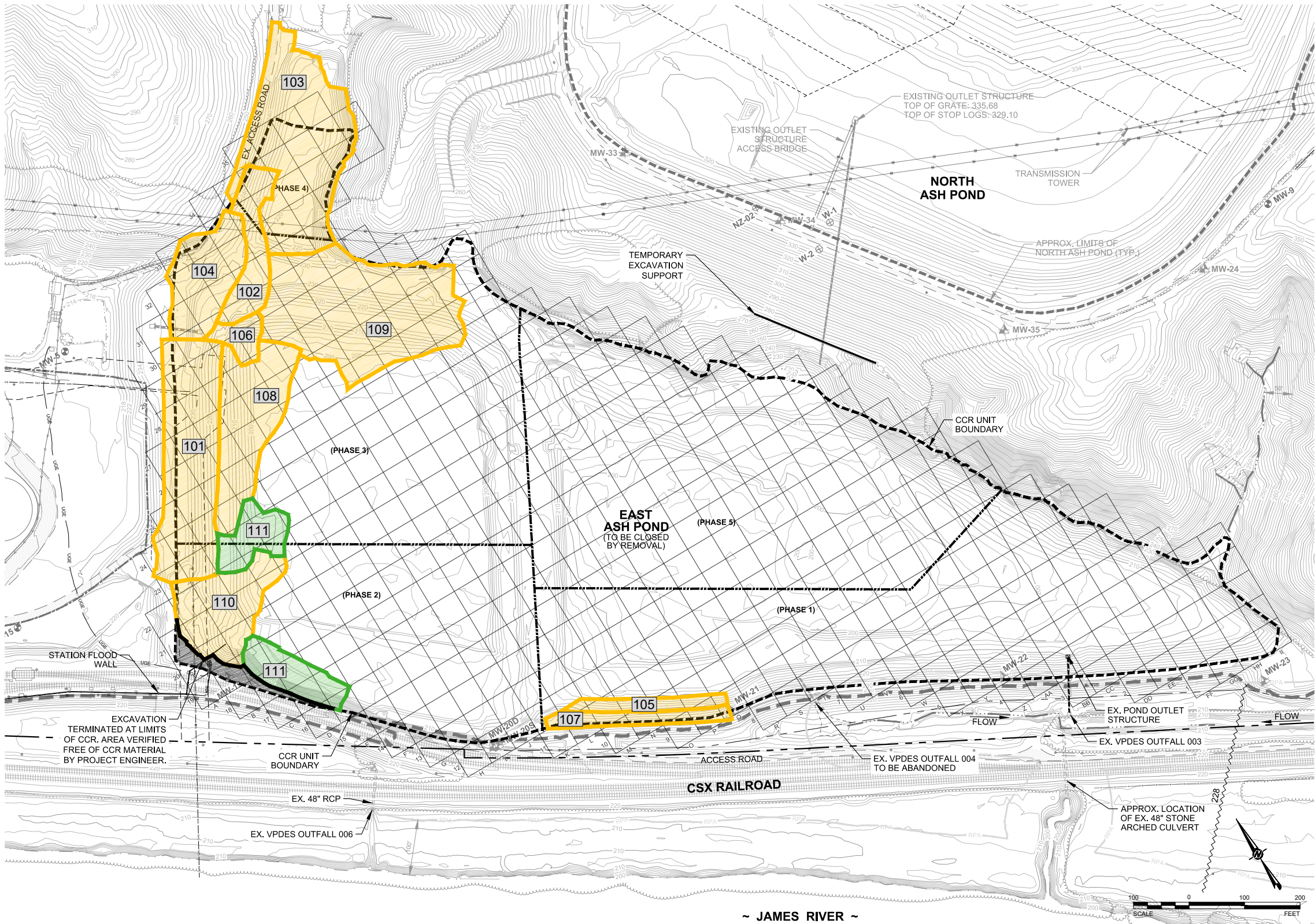
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REV.	MM/DD/YY	DESCRIPTION	ATN	CADD	CHECK	REVIEW
0	10/18/18	Area Sketch Map	ATN			

1 in = 100 FEET IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: G:\Projects\Dominion\Brem152-0547QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 inch Removal.dwg - 6 inch Area Sketch Map/EAP CBR for Field Map 111.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
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WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

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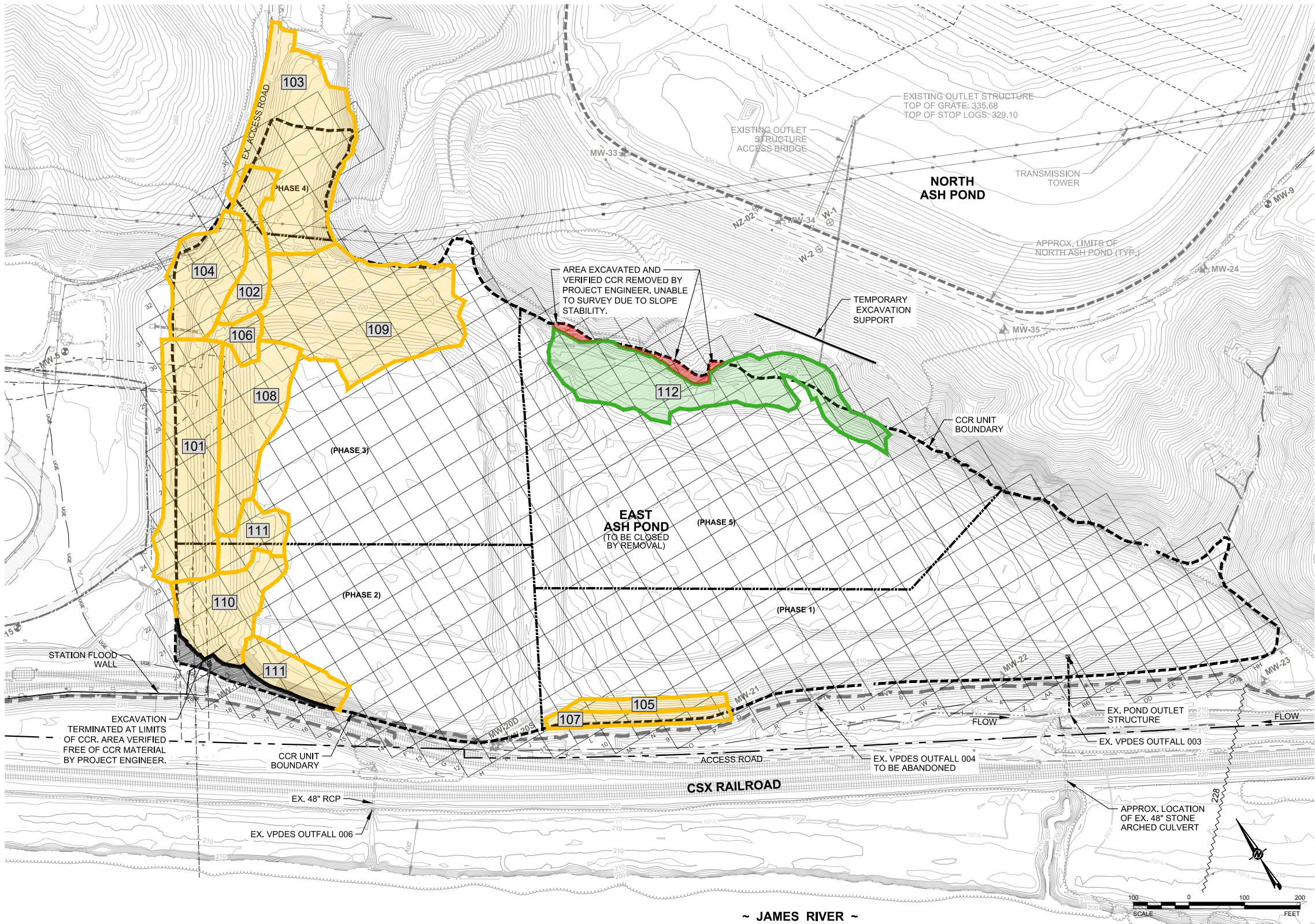


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FIGURE
11

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: G:\Projects\Dominion\Brem152-0347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 inch Removal.dwg - 6 inch Area Sketch Map/EAP CBR for Field Map 112.dwg



LEGEND

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	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
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	WETLANDS		EXISTING OVERHEAD UTILITY LINE		
			EXISTING UNDERGROUND ELECTRIC LINE		

GENERAL NOTES

- EXISTING CONDITIONS COMPILED FROM:
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- SITE DATUM: NAD83 / NAVD88
- WETLAND DELINEATION BY DOMINION ENVIRONMENTAL SERVICES ON 01/30/15 & 02/05/15 AND BY GOLDER ASSOCIATES ON 03/16/15 & 03/25/15. WATERS OF THE U.S. CONFIRMED BY THE USACE DURING JUNE 4, 2015 SITE VISIT.
- 100 YEAR FLOOD PLAIN DELINEATION BASED ON FLOOD ELEVATION DATA REPRESENTED ON FEMA FLOOD INSURANCE RATE MAP (FIRM), MAP NUMBER 51065C0260C, EFFECTIVE DATE: 05/16/2008.

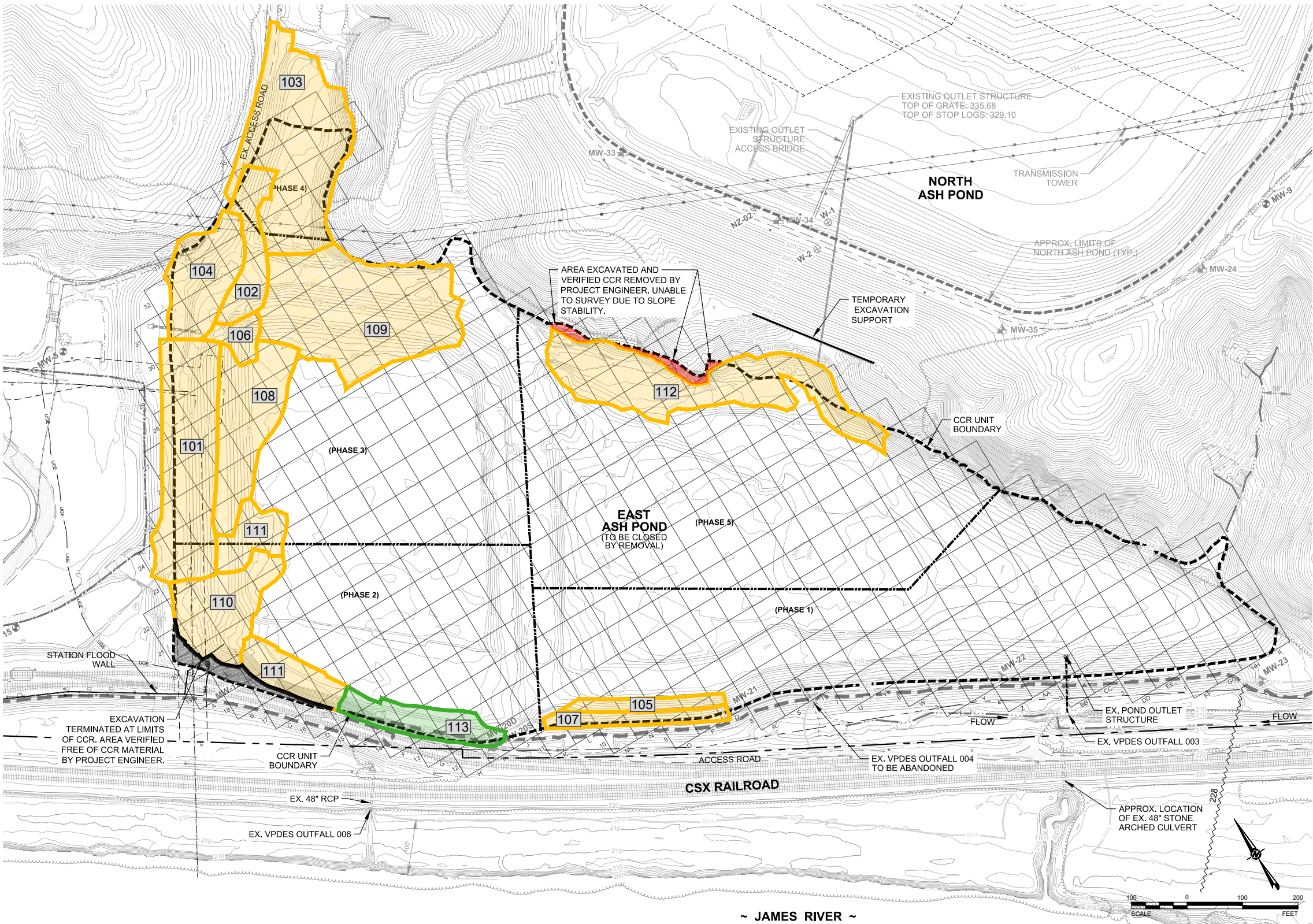
CLOSURE BY REMOVAL NOTES

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- FOLLOWING VISUAL-CLEAN CONDITIONS, OVER-EXCAVATE THE REMOVAL FOOTPRINT BY AT LEAST SIX INCHES.
- VISUAL INSPECTION AND TARGETED SUBGRADE VISUAL SAMPLING TO BE OVERSEEN BY OWNER'S ENGINEER REPRESENTATIVE. SAMPLING TO BE PERFORMED AT A FREQUENCY OF AT LEAST ONE TEST PER ACRE. TARGETED SAMPLING TO CONSIST OF HAND-DUG HOLES AT LEAST SIX INCHES DEEP.
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PROJECT	CLIENT	CONSULTANT	REV.	MM/DD/YY	DESCRIPTION	ATN	CADD	CHECK	REVIEW
CLOSURE BY REMOVAL PLAN WEST ASH POND & EAST ASH POND SOLID WASTE PERMIT No. 618	DOMINION ENERGY BREM POWER STATION FLUVANNA COUNTY, VIRGINIA	GOLDER ASSOCIATES 2108 WEST LABURNUM AVENUE SUITE 200 RICHMOND, VA 23227 (804) 358-7900 www.golder.com	0	10/23/18	Area Sketch Map	ATN	ATN		
EAST ASH POND SIX INCH REMOVAL CERTIFICATION CBR FIELD MAP									
PROJECT NO. 15-20347QA									
FIGURE 12									

1 in = 100 FEET IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 inch Removal.dwg - 6 inch Area Sketch Map\EAP CBR 6in Field Map 113.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
	CCR UNIT BOUNDARY		APPROXIMATE EDGE OF SURFACE WATER		EXISTING PIEZOMETER AND IDENTIFICATION
	EXISTING TOPOGRAPHIC CONTOURS (2' INTERVALS) (FROM AERIAL SURVEY - SEE GENERAL NOTE 1a)		LIMITS OF 100-YR FLOOD PLAIN		EXISTING MANHOLE
	APPROX. POND BOTTOM CONTOURS (2' INTERVALS) (SEE GENERAL NOTE 1c)		BASE FLOOD ELEVATION (100-YEAR, SEE NOTE 4)		APPROXIMATE CLEAN CLOSURE PHASE LIMITS (SUBJECT TO CHANGE BASED ON FIELD CONDITIONS DURING EXCAVATION AND MAY INCLUDE SUB-PHASES)
	EXISTING UNPAVED ROAD		EXISTING TREE LINE		
	EXISTING RAILROAD		EXISTING FENCE		
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CLOSURE BY REMOVAL NOTES

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PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
0

FIGURE
13

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

CONSULTANT

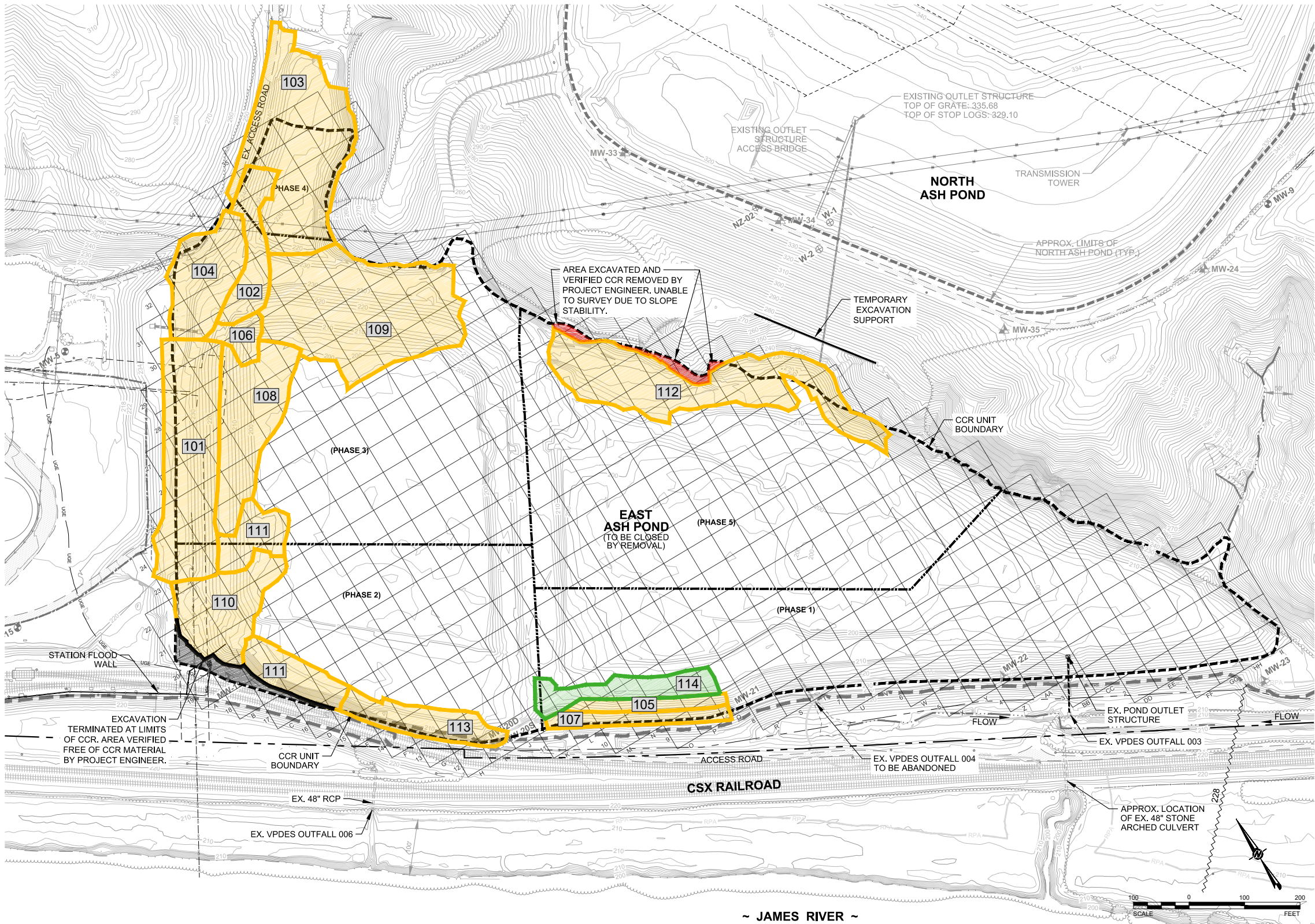
GOLDER ASSOCIATES
2108 WEST LABURNUM AVENUE
SUITE 200
RICHMOND, VA 23227
(804) 358-7900
www.golder.com



REV.	MM/DD/YY	DESCRIPTION	ATN	CADD	CHECK	REVIEW
0	11/01/18	Area Sketch Map	ATN			

1 in = 100 FEET IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA100 - Field Information\Closure By Removal (CBR)VEP002 - 6 inch Area Sketch Map\EP CBR for Field Map 114.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
	CCR UNIT BOUNDARY		APPROXIMATE EDGE OF SURFACE WATER		EXISTING PIEZOMETER AND IDENTIFICATION
	EXISTING TOPOGRAPHIC CONTOURS (2' INTERVALS) (FROM AERIAL SURVEY - SEE GENERAL NOTE 1a)		LIMITS OF 100-YR FLOOD PLAIN		EXISTING MANHOLE
	APPROX. POND BOTTOM CONTOURS (2' INTERVALS) (SEE GENERAL NOTE 1c)		BASE FLOOD ELEVATION (100-YEAR, SEE NOTE 4)		APPROXIMATE CLEAN CLOSURE PHASE LIMITS (SUBJECT TO CHANGE BASED ON FIELD CONDITIONS DURING EXCAVATION AND MAY INCLUDE SUB-PHASES)
	EXISTING UNPAVED ROAD		EXISTING TREE LINE		
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PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
0

FIGURE
14

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

CONSULTANT

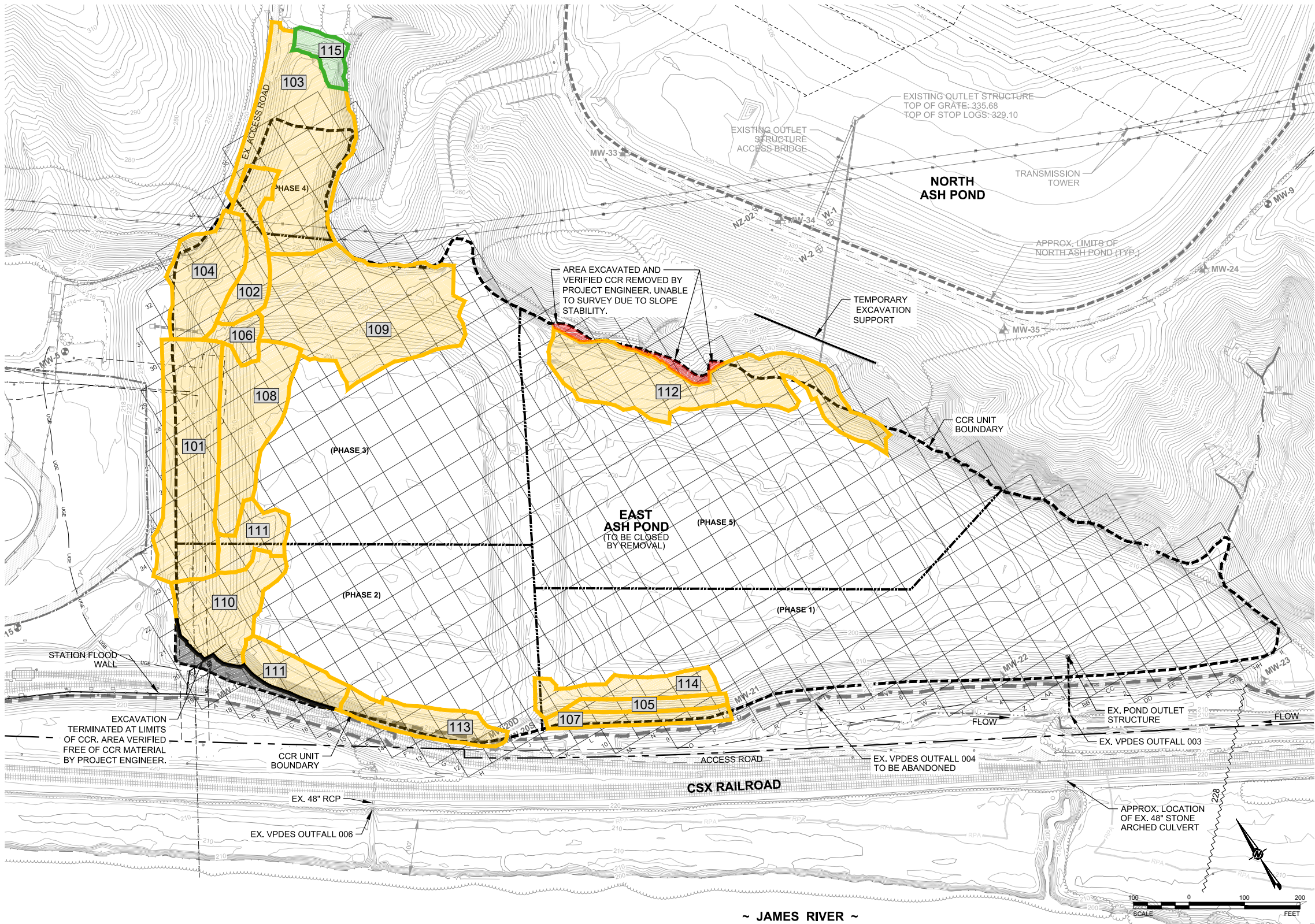
GOLDER ASSOCIATES
2108 WEST LABURNUM AVENUE
SUITE 200
RICHMOND, VA 23227
(804) 358-7900
www.golder.com



0 11/30/18 Area Sketch Map
REV. MW/DD/Y DESCRIPTION
ATN CADD CHECK REVIEW

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 Inch Removal.dwg - 6 Inch Area Sketch Map\EAP CBR 6in Field Map 115.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
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PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

CLIENT

DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

CONSULTANT

GOLDER ASSOCIATES
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SUITE 200
RICHMOND, VA 23227
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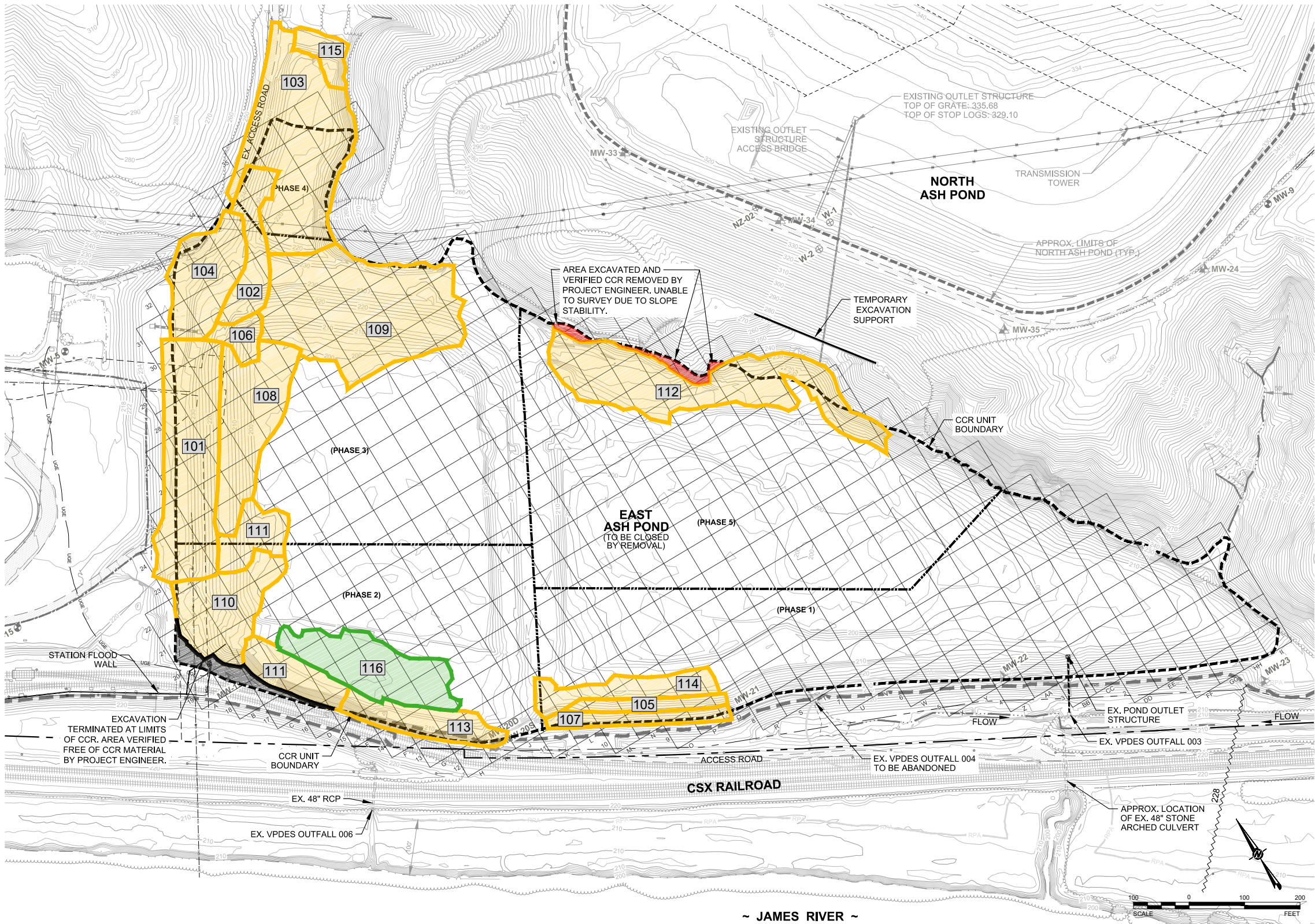


REV.
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FIGURE
15

1 in = 100 FEET (IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D)

Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 inch Removal.dwg - 6 inch Area Sketch Map/EAP CBR for Field Map 116.dwg



LEGEND

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	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
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PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
0

FIGURE
16

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

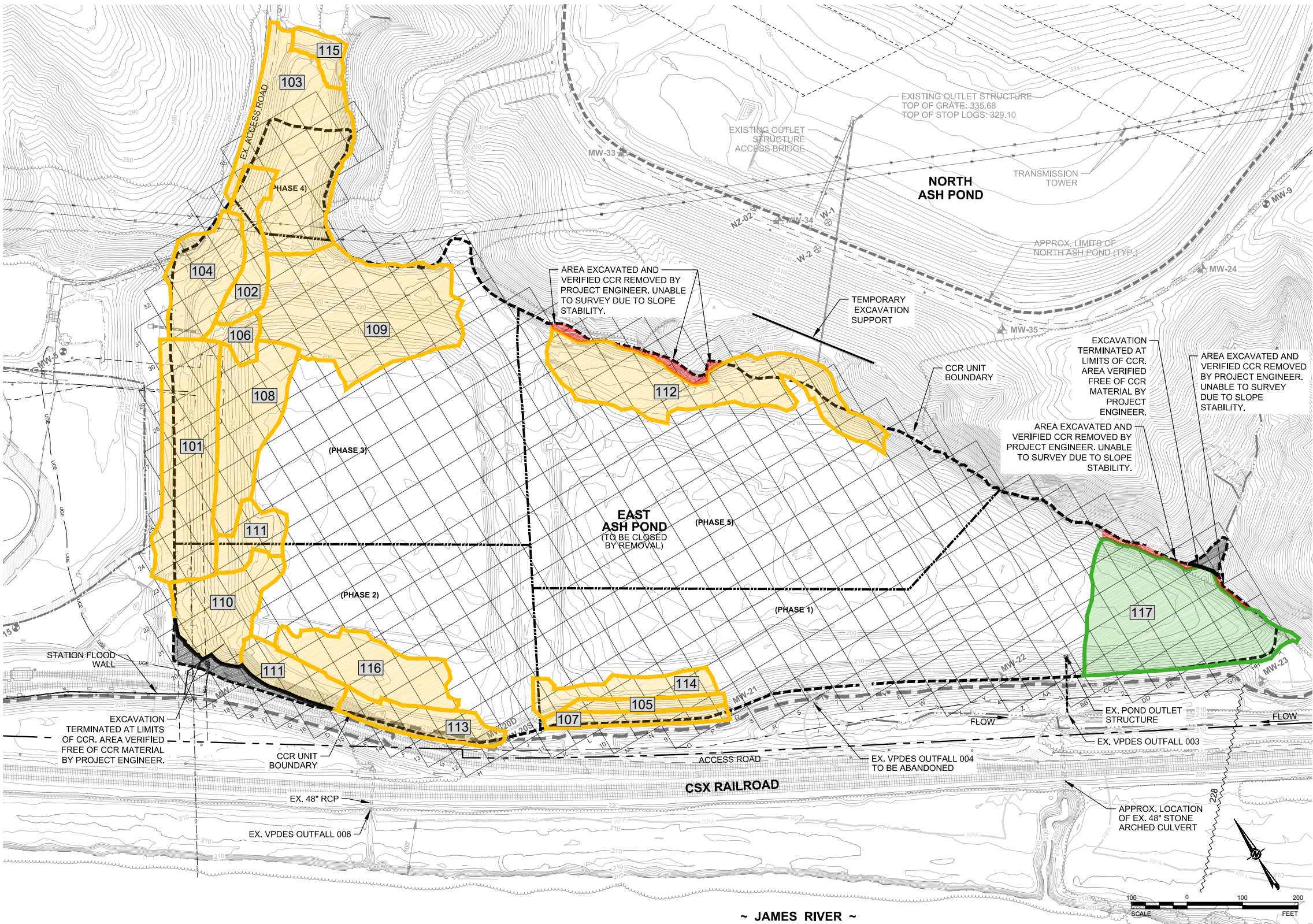
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Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 inch Removal.dwg - 6 inch Area Sketch Map/EAP CBR for Field Map 117.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
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- 100 YEAR FLOOD PLAIN DELINEATION BASED ON FLOOD ELEVATION DATA REPRESENTED ON FEMA FLOOD INSURANCE RATE MAP (FIRM), MAP NUMBER 51065C0260C, EFFECTIVE DATE: 05/16/2008.

CLOSURE BY REMOVAL NOTES

- TOPOGRAPHY SHOWN WITHIN LIMITS OF THE EAST ASH POND REPRESENTS THE APPROXIMATE BOTTOM BASED ON HISTORIC DRAWINGS AND FIELD INFORMATION. FOR REFERENCE ONLY.
- PHASED CLOSURE OF EAST ASH POND MAY BE SEQUENCED AS NECESSARY TO SUPPORT CONSTRUCTION AND MAY INCLUDE SUB-PHASES FOR REGULATORY APPROVAL TO SUPPORT ACCESS, SLOPE STABILITY, AND MINIMIZE CONTACT STORMWATER AREAS.
- ANY AREA CERTIFIED AS ACHIEVING CLOSURE BY REMOVAL IS TO BE PROTECTED FROM CCR AND CONTACT STORMWATER, AND MAY BE FILLED AND/OR RESHAPED PRIOR TO ACHIEVING FINAL GRADES.
- ACCUMULATED CCR SHALL BE REMOVED FROM SURFACES WITHIN THE POND LIMITS SUCH THAT NO CCR REMAINS VISIBLE.
- FOLLOWING VISUAL-CLEAN CONDITIONS, OVER-EXCAVATE THE REMOVAL FOOTPRINT BY AT LEAST SIX INCHES.
- VISUAL INSPECTION AND TARGETED SUBGRADE VISUAL SAMPLING TO BE OVERSEEN BY OWNER'S ENGINEER REPRESENTATIVE. SAMPLING TO BE PERFORMED AT A FREQUENCY OF AT LEAST ONE TEST PER ACRE. TARGETED SAMPLING TO CONSIST OF HAND-DUG HOLES AT LEAST SIX INCHES DEEP.
- EXCAVATION OF SLOPES STEEPER THAN 2:1 SHALL BE SEQUENCED SUCH THAT THE SLOPES CAN BE EXCAVATED, INSPECTED, AND BACKFILLED IN THE SHORTEST TIME POSSIBLE. BACKFILL SLOPES WITH CLEAN SOIL FILL AT NO STEEPER THAN 2:1.
- EXCAVATED CCR AND SOIL-CCR MIXTURES SHALL BE CONSOLIDATED IN NORTH ASH POND OR TAKEN TO AN OFF-SITE DISPOSAL FACILITY AS DIRECTED BY DOMINION.

PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

CONSULTANT

GOLDER ASSOCIATES
2108 WEST LABURNUM AVENUE
SUITE 200
RICHMOND, VA 23227
(804) 358-7900
www.golder.com

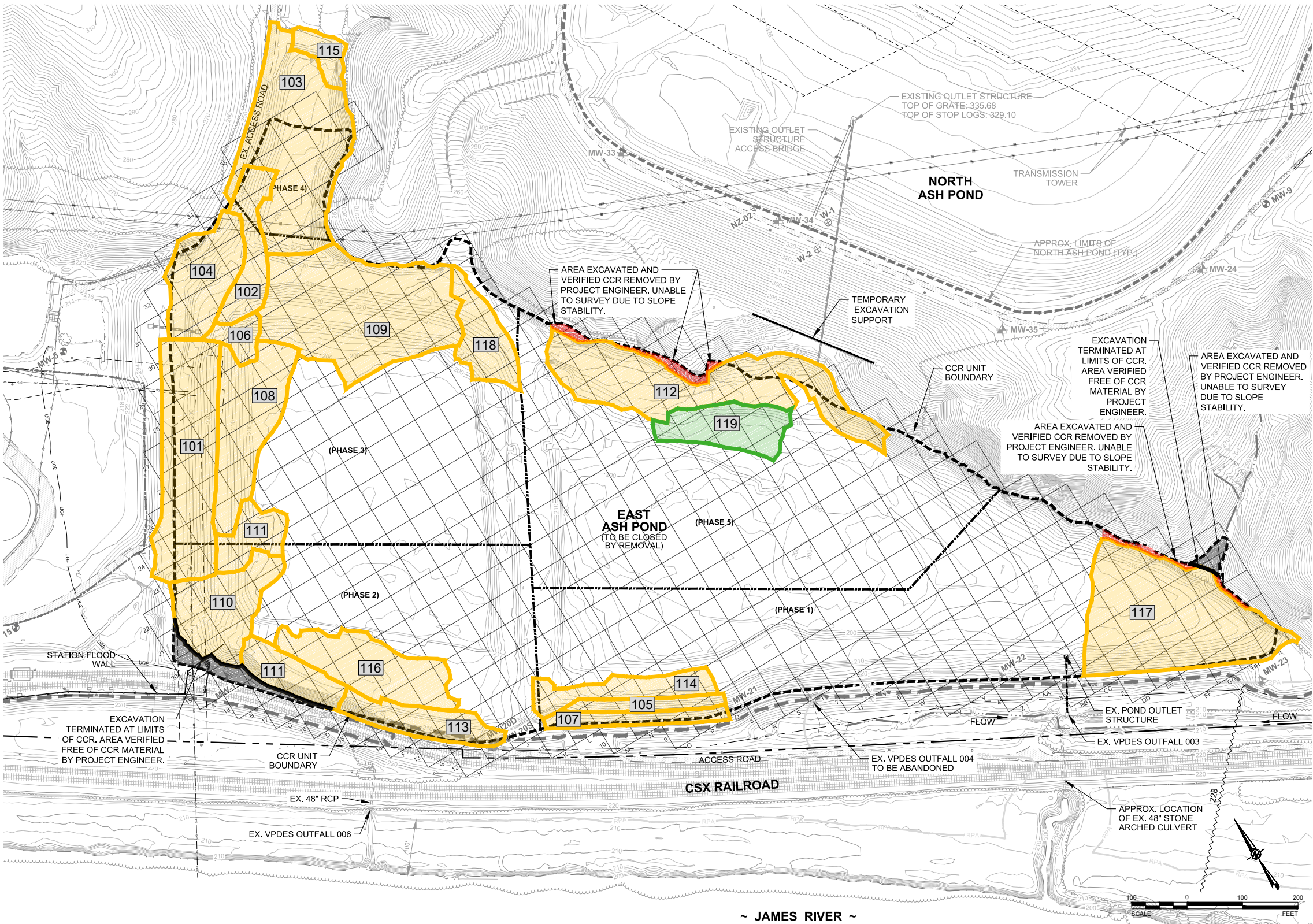


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FIGURE
17

1 in = 100 FEET IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 inch Removal.dwg - 6 inch Area Sketch Map\EAP CBR 6in Field Map 119.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
	CCR UNIT BOUNDARY		APPROXIMATE EDGE OF SURFACE WATER		EXISTING PIEZOMETER AND IDENTIFICATION
	EXISTING TOPOGRAPHIC CONTOURS (2' INTERVALS) (FROM AERIAL SURVEY - SEE GENERAL NOTE 1a)		LIMITS OF 100-YR FLOOD PLAIN		EXISTING MANHOLE
	APPROX. POND BOTTOM CONTOURS (2' INTERVALS) (SEE GENERAL NOTE 1c)		BASE FLOOD ELEVATION (100-YEAR, SEE NOTE 4)		APPROXIMATE CLEAN CLOSURE PHASE LIMITS (SUBJECT TO CHANGE BASED ON FIELD CONDITIONS DURING EXCAVATION AND MAY INCLUDE SUB-PHASES)
	EXISTING UNPAVED ROAD		EXISTING TREE LINE		
	EXISTING RAILROAD		EXISTING FENCE		
	WETLANDS		EXISTING OVERHEAD UTILITY LINE		
			EXISTING UNDERGROUND ELECTRIC LINE		

GENERAL NOTES

- EXISTING CONDITIONS COMPILED FROM:
 - AERIAL TOPOGRAPHIC SURVEY PREPARED BY MCKENZIE SNYDER, INC., DATE OF AERIAL PHOTO: 1/16/15 [CONTROL PREPARED BY H&B SURVEYING & MAPPING (H&B)]
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 - TOPOGRAPHY WITHIN THE LIMITS OF THE EAST ASH POND BASED ON MONTHLY EXCAVATION SURVEY.
- SITE DATUM: NAD83 / NAVD88
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CLOSURE BY REMOVAL NOTES

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REV.	MM/DD/YY	DESCRIPTION	ATN	CADD	CHECK	REVIEW
0	01/10/19	Area Sketch Map	ATN			

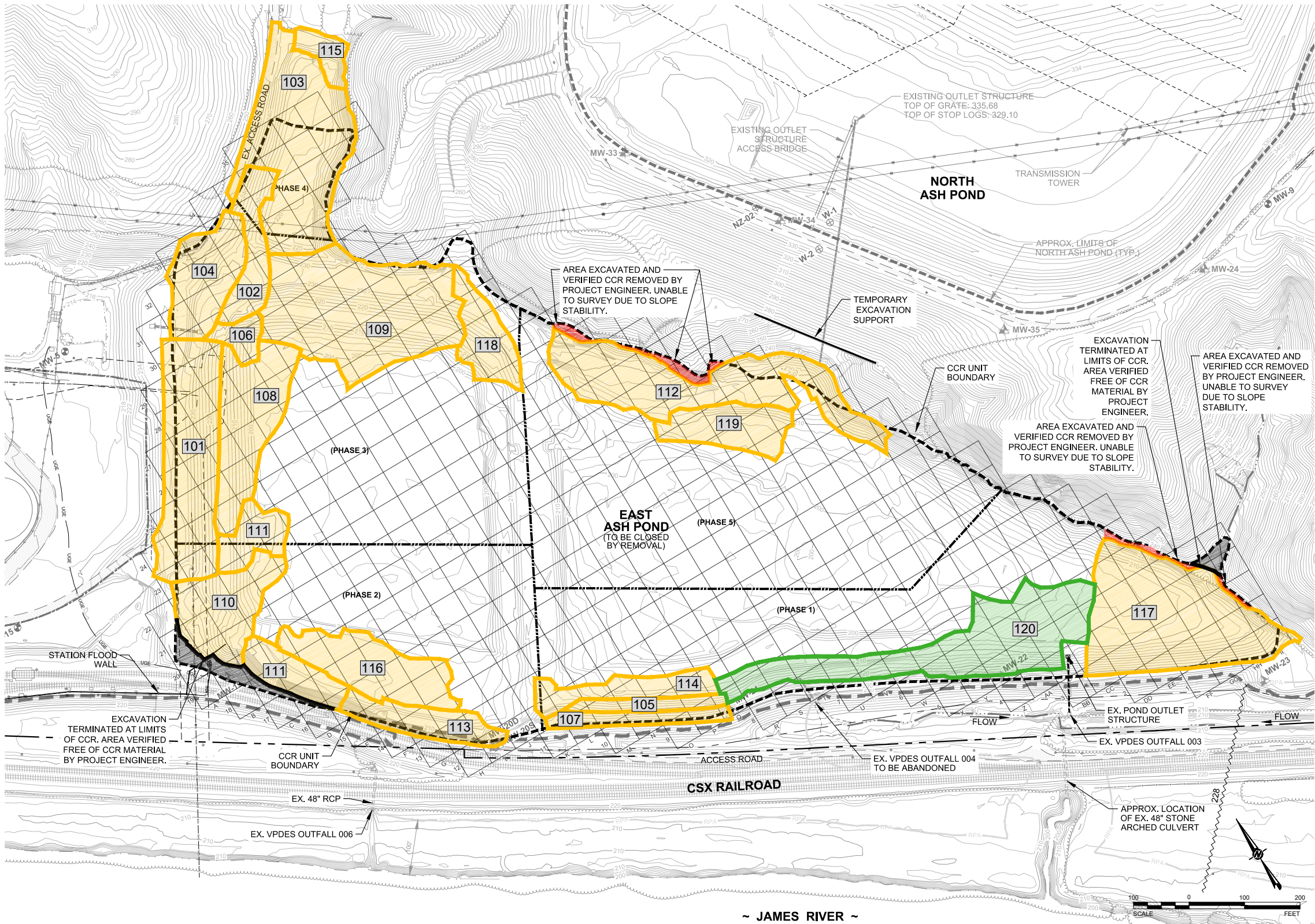
CLIENT	DOMINION ENERGY
PROJECT	CLOSURE BY REMOVAL PLAN
TITLE	WEST ASH POND & EAST ASH POND
CONSULTANT	FLUVANNA COUNTY, VIRGINIA
PROJECT NO.	15-20347QA
FIGURE	19

CONSULTANT	GOLDER ASSOCIATES
2108 WEST LABURNUM AVENUE	
SUITE 200	
RICHMOND, VA 23227	
(804) 358-7900	
www.golder.com	

PROJECT	CLOSURE BY REMOVAL PLAN
TITLE	WEST ASH POND & EAST ASH POND
CONSULTANT	FLUVANNA COUNTY, VIRGINIA
PROJECT NO.	15-20347QA
FIGURE	19

1 in = 100 FEET IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 Inch Removal.dwg - 6 Inch Area Sketch Map\EAP CBR 6in Field Map 120.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
	CCR UNIT BOUNDARY		APPROXIMATE EDGE OF SURFACE WATER		EXISTING PIEZOMETER AND IDENTIFICATION
	EXISTING TOPOGRAPHIC CONTOURS (2' INTERVALS) (FROM AERIAL SURVEY - SEE GENERAL NOTE 1a)		LIMITS OF 100-YR FLOOD PLAIN		EXISTING MANHOLE
	APPROX. POND BOTTOM CONTOURS (2' INTERVALS) (SEE GENERAL NOTE 1c)		BASE FLOOD ELEVATION (100-YEAR, SEE NOTE 4)		APPROXIMATE CLEAN CLOSURE PHASE LIMITS (SUBJECT TO CHANGE BASED ON FIELD CONDITIONS DURING EXCAVATION AND MAY INCLUDE SUB-PHASES)
	EXISTING UNPAVED ROAD		EXISTING TREE LINE		
	EXISTING RAILROAD		EXISTING FENCE		
	WETLANDS		EXISTING OVERHEAD UTILITY LINE		
			EXISTING UNDERGROUND ELECTRIC LINE		

GENERAL NOTES

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PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

CONSULTANT
GOLDER ASSOCIATES
2108 WEST LABURNUM AVENUE
SUITE 200
RICHMOND, VA 23227
(804) 358-7900
www.golder.com

REV. 0
10/22/19
15-20347QA

FIGURE 20

PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

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REV. 0
10/22/19
15-20347QA

FIGURE 20

PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

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REV. 0
10/22/19
15-20347QA

FIGURE 20

PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

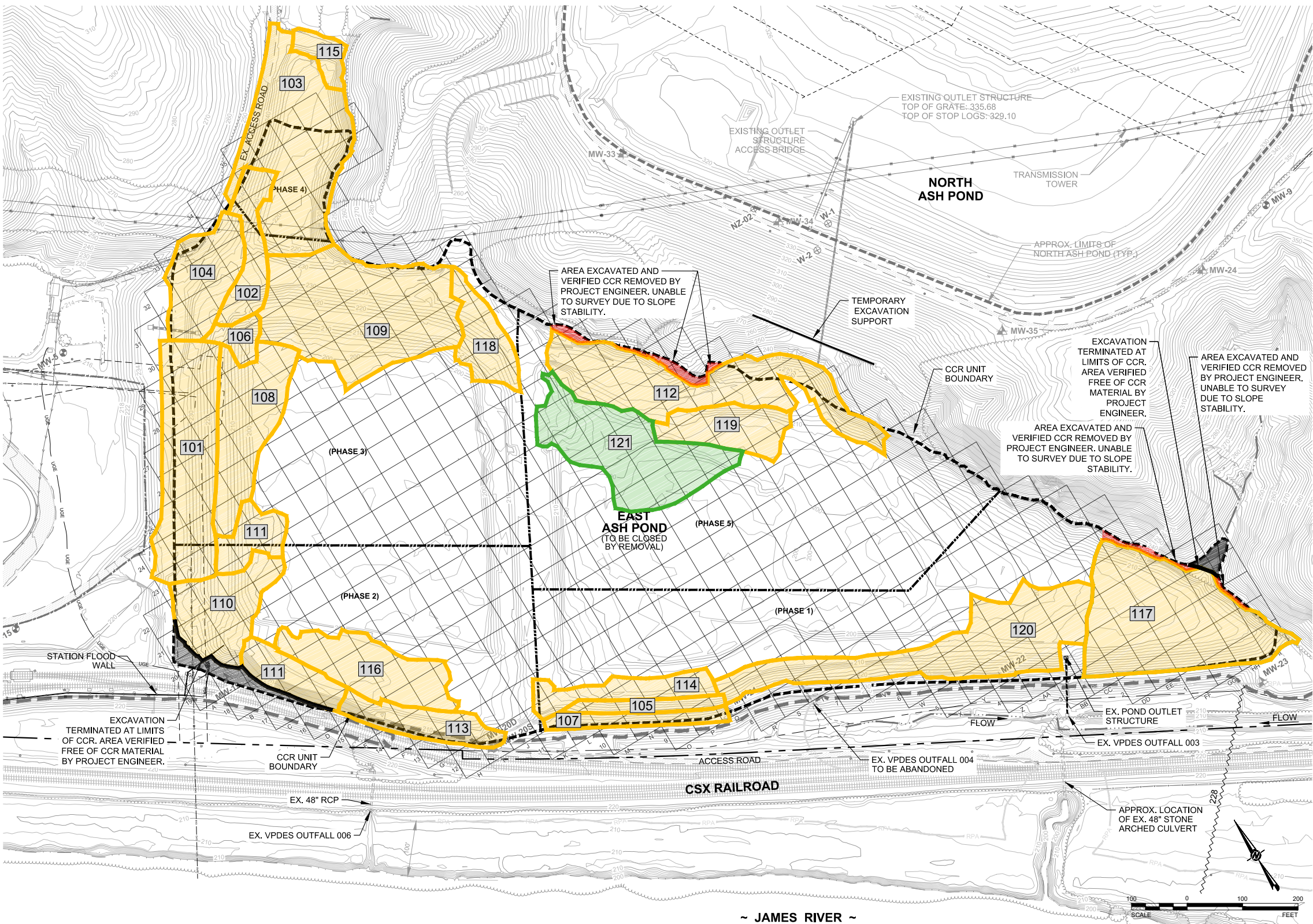
CONSULTANT
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REV. 0
10/22/19
15-20347QA

FIGURE 20

1 in = 100 FEET
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 Inch Removal.dwg - 6 Inch Area Sketch Map\EAP CBR 6in Field Map 121.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
	CCR UNIT BOUNDARY		APPROXIMATE EDGE OF SURFACE WATER		EXISTING PIEZOMETER AND IDENTIFICATION
	EXISTING TOPOGRAPHIC CONTOURS (2' INTERVALS) (FROM AERIAL SURVEY - SEE GENERAL NOTE 1a)		LIMITS OF 100-YR FLOOD PLAIN		EXISTING MANHOLE
	APPROX. POND BOTTOM CONTOURS (2' INTERVALS) (SEE GENERAL NOTE 1c)		BASE FLOOD ELEVATION (100-YEAR, SEE NOTE 4)		APPROXIMATE CLEAN CLOSURE PHASE LIMITS (SUBJECT TO CHANGE BASED ON FIELD CONDITIONS DURING EXCAVATION AND MAY INCLUDE SUB-PHASES)
	EXISTING UNPAVED ROAD		EXISTING TREE LINE		
	EXISTING RAILROAD		EXISTING FENCE		
	WETLANDS		EXISTING OVERHEAD UTILITY LINE		
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GENERAL NOTES

- EXISTING CONDITIONS COMPILED FROM:
 - AERIAL TOPOGRAPHIC SURVEY PREPARED BY MCKENZIE SNYDER, INC., DATE OF AERIAL PHOTO: 1/16/15 [CONTROL PREPARED BY H&B SURVEYING & MAPPING (H&B)]
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REV.	MM/DD/YY	DESCRIPTION	ATN	CADD	CHECK	REVIEW
0	01/22/19	Area Sketch Map	ATN			

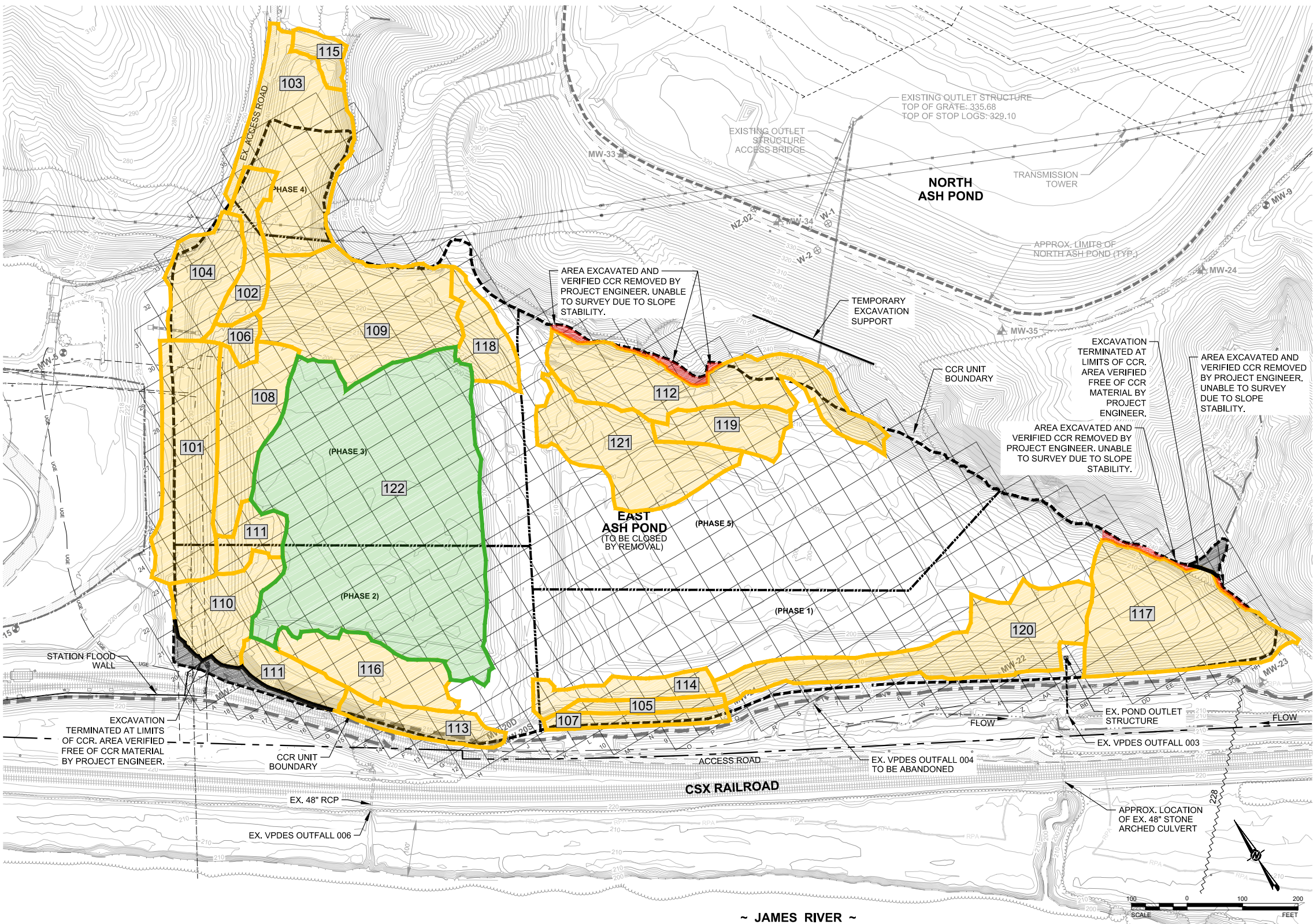
CLIENT	DOMINION ENERGY BREM POWER STATION FLUVANNA COUNTY, VIRGINIA
CONSULTANT	GOLDER ASSOCIATES 2108 WEST LABURNUM AVENUE SUITE 200 RICHMOND, VA 23227 (804) 358-7900 www.golder.com

PROJECT	CLOSURE BY REMOVAL PLAN WEST ASH POND & EAST ASH POND SOLID WASTE PERMIT No. 618
TITLE	EAST ASH POND SIX INCH REMOVAL CERTIFICATION CBR FIELD MAP
PROJECT NO.	15-20347QA

REV.	0
FIGURE	21

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

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LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
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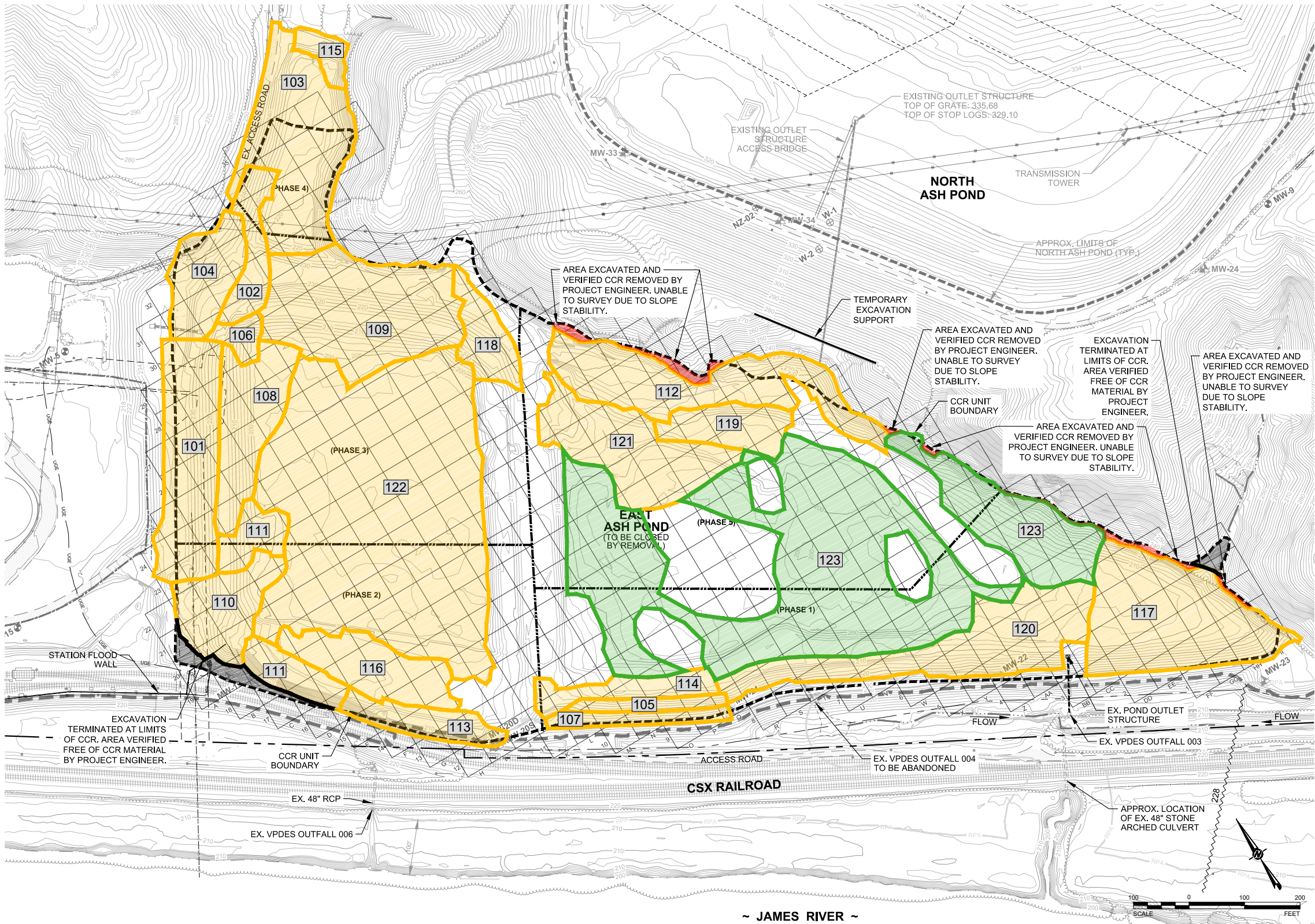
CLOSURE BY REMOVAL NOTES

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PROJECT	CLIENT	CONSULTANT	REV.	MM/DD/YY	DESCRIPTION	ATN	CADD	CHECK	REVIEW
CLOSURE BY REMOVAL PLAN WEST ASH POND & EAST ASH POND SOLID WASTE PERMIT No. 618	DOMINION ENERGY BREM POWER STATION FLUVANNA COUNTY, VIRGINIA	GOLDER ASSOCIATES 2108 WEST LABURNUM AVENUE SUITE 200 RICHMOND, VA 23227 (804) 358-7900 www.golder.com	0	02/05/19	Area Sketch Map	ATN			
EAST ASH POND SIX INCH REMOVAL CERTIFICATION CBR FIELD MAP									
PROJECT NO. 15-20347QA									

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 Inch Removal.dwg - 6 Inch Area Sketch Map/EAP CBR for Field Map 123.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
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GENERAL NOTES

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 - TOPOGRAPHY WITHIN THE LIMITS OF THE EAST ASH POND BASED ON MONTHLY EXCAVATION SURVEY.
- SITE DATUM: NAD83 / NAVD88
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PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
0

FIGURE
23

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

CONSULTANT

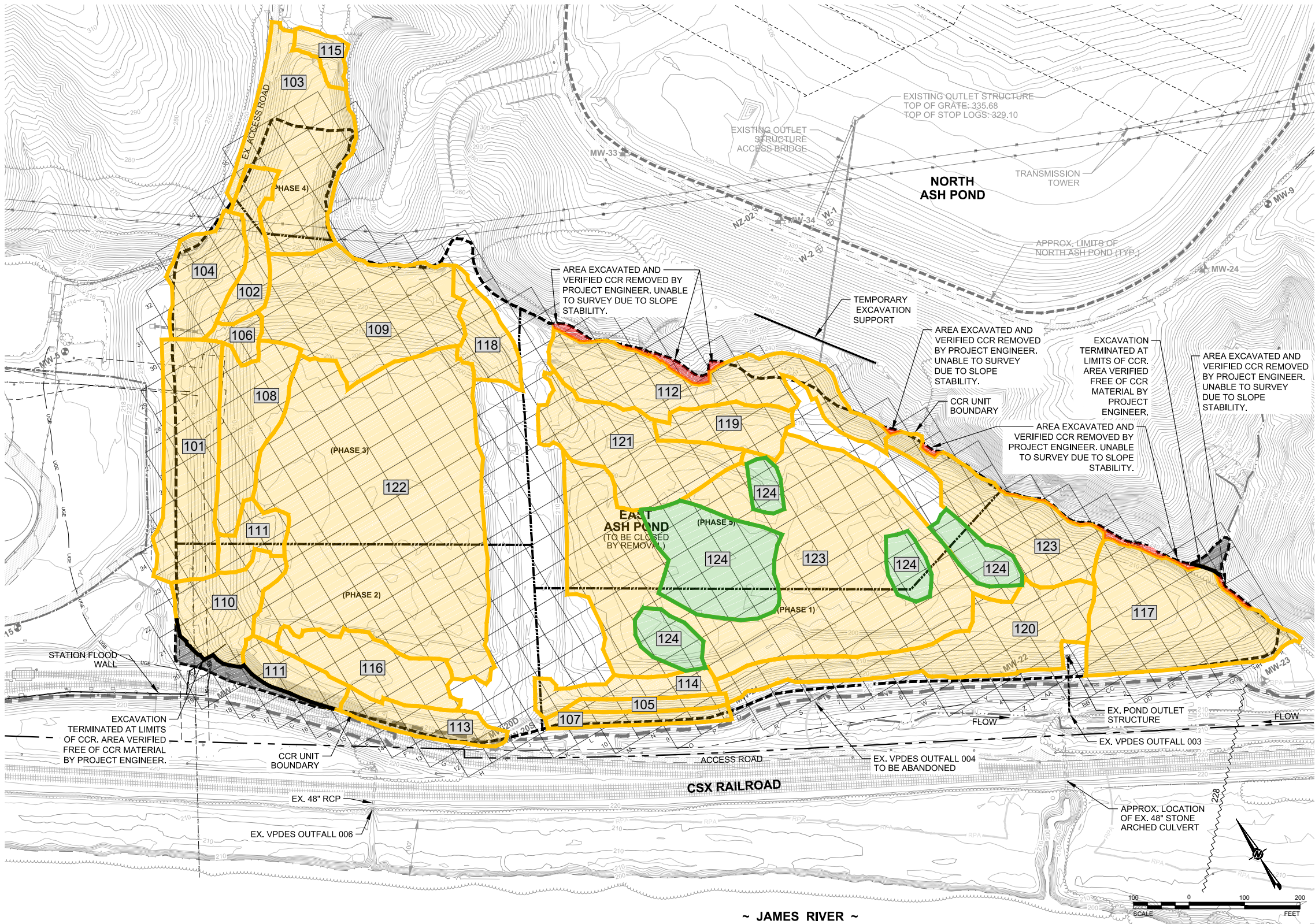
GOLDER ASSOCIATES
2108 WEST LABURNUM AVENUE
SUITE 200
RICHMOND, VA 23227
(804) 358-7900
www.golder.com



0 02/15/19 Area Sketch Map
REV. MW/DD/YY DESCRIPTION
ATN CADD CHECK REVIEW

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA100 - Field Information\Closure By Removal (CBR)\EAP02 - 6 Inch Removal.dwg - 6 Inch Area Sketch Map/EAP CBR for Field Map 124.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
	CCR UNIT BOUNDARY		APPROXIMATE EDGE OF SURFACE WATER		EXISTING PIEZOMETER AND IDENTIFICATION
	EXISTING TOPOGRAPHIC CONTOURS (2' INTERVALS) (FROM AERIAL SURVEY - SEE GENERAL NOTE 1a)		LIMITS OF 100-YR FLOOD PLAIN		EXISTING MANHOLE
	APPROX. POND BOTTOM CONTOURS (2' INTERVALS) (SEE GENERAL NOTE 1c)		BASE FLOOD ELEVATION (100-YEAR, SEE NOTE 4)		APPROXIMATE CLEAN CLOSURE PHASE LIMITS (SUBJECT TO CHANGE BASED ON FIELD CONDITIONS DURING EXCAVATION AND MAY INCLUDE SUB-PHASES)
	EXISTING UNPAVED ROAD		EXISTING TREE LINE		
	EXISTING RAILROAD		EXISTING FENCE		
	WETLANDS		EXISTING OVERHEAD UTILITY LINE		
			EXISTING UNDERGROUND ELECTRIC LINE		

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CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
0

FIGURE
24

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

CONSULTANT

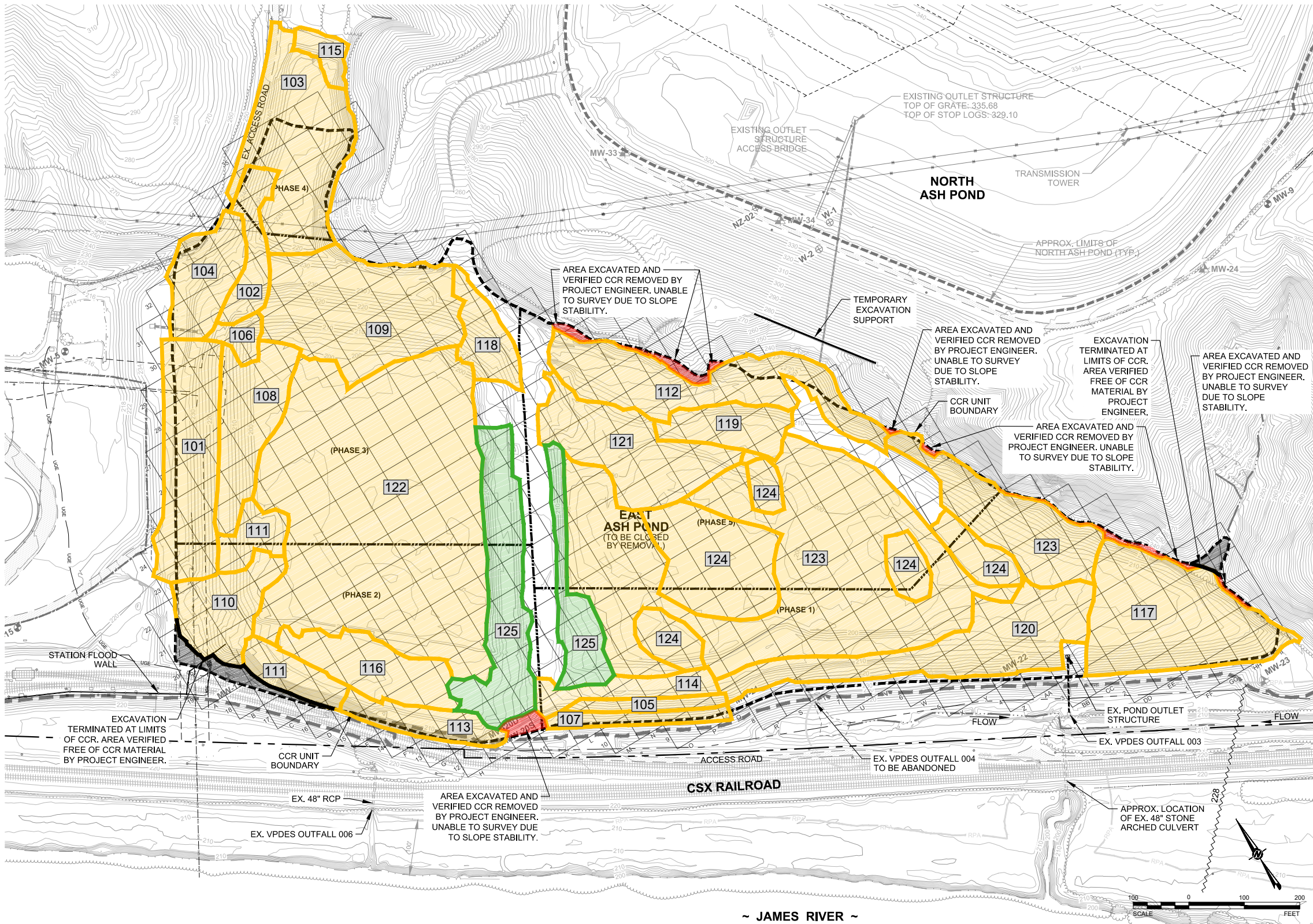
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0 02/19/19 Area Sketch Map
REV. MW/DD/YY DESCRIPTION
ATN CADD CHECK REVIEW

Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 Inch Removal.dwg - 6 Inch Area Sketch Map/EAP CBR for Field Map 125.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
	CCR UNIT BOUNDARY		APPROXIMATE EDGE OF SURFACE WATER		EXISTING PIEZOMETER AND IDENTIFICATION
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	APPROX. POND BOTTOM CONTOURS (2' INTERVALS) (SEE GENERAL NOTE 1c)		BASE FLOOD ELEVATION (100-YEAR, SEE NOTE 4)		APPROXIMATE CLEAN CLOSURE PHASE LIMITS (SUBJECT TO CHANGE BASED ON FIELD CONDITIONS DURING EXCAVATION AND MAY INCLUDE SUB-PHASES)
	EXISTING UNPAVED ROAD		EXISTING TREE LINE		
	EXISTING RAILROAD		EXISTING FENCE		
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WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

CONSULTANT
GOLDER ASSOCIATES
2108 WEST LABURNUM AVENUE
SUITE 200
RICHMOND, VA 23227
(804) 358-7900
www.golder.com

PROJECT NO.
15-20347QA

FIGURE
25

REV. 0

02/27/19

Area Sketch Map

ATN

ATN

DESIGN

CADD

CHECK

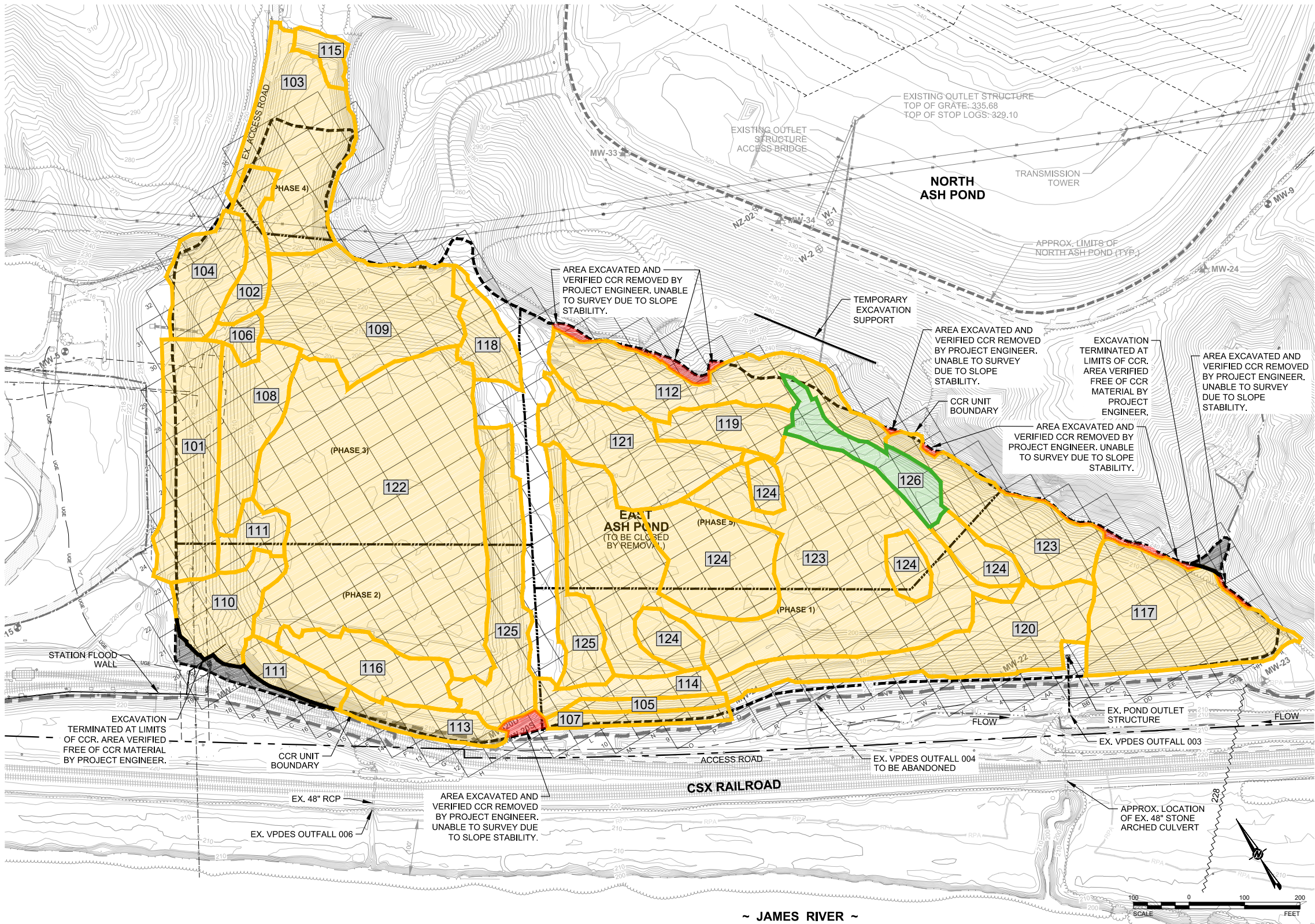
REVIEW

EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

6-inch Removal Certification					
Reference Number	Approx. Area (ac) +/-	Golder Inspection	DEQ Inspection	6-inch Survey	Misc. Notes
125	1.4	02/27/19	N/A	02/27/19	Sides of Splitter Dike

1 in = 100 FEET (IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D)

Path: G:\Projects\Dominion\Brem152-20347QA\Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 Inch Removal.dwg - 6 Inch Area Sketch Map/EAP CBR for Field Map 126.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
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PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
0

FIGURE
26

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

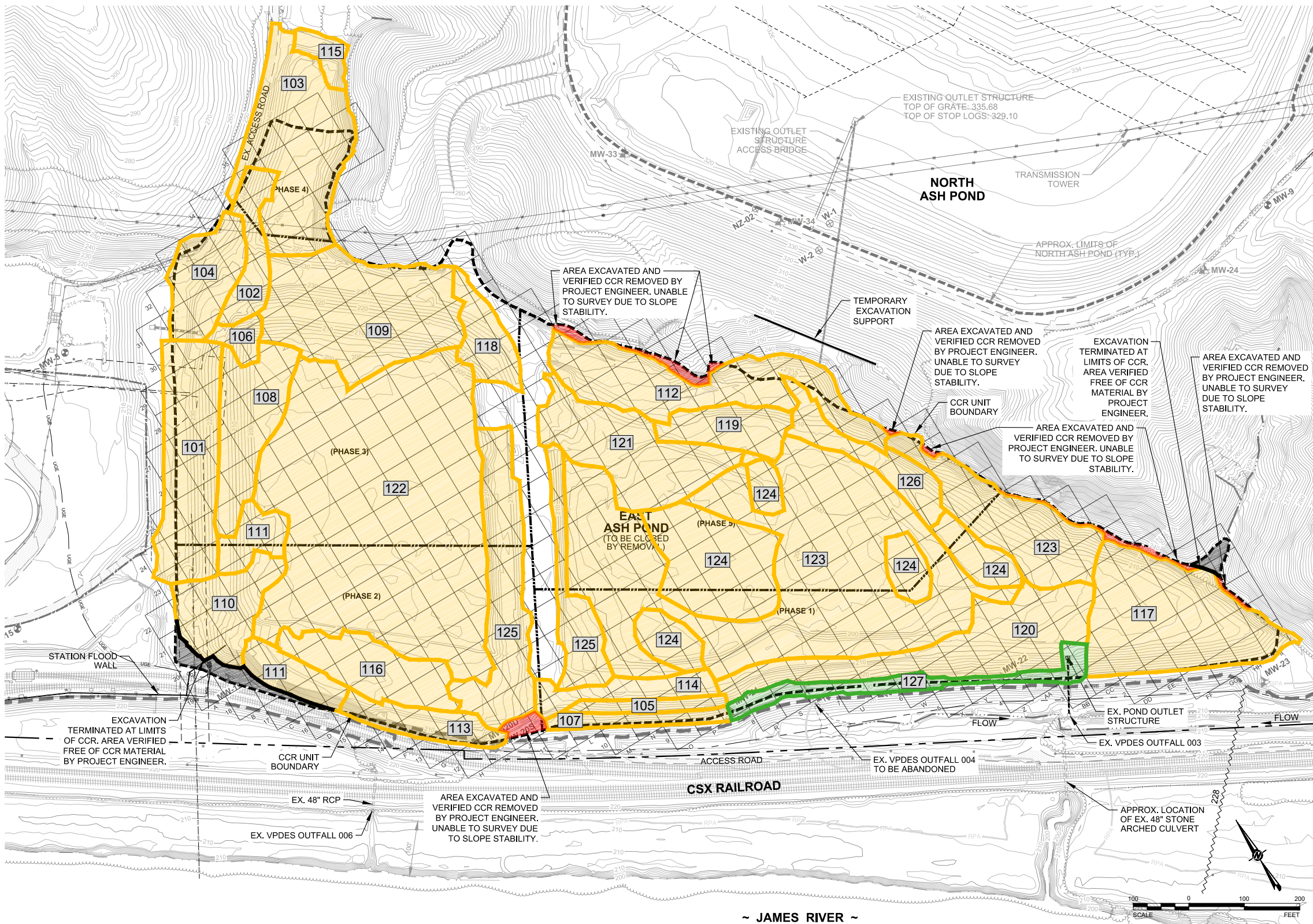
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Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 inch Removal.dwg - 6 inch Area Sketch Map/EAP CBR for Field Map 127.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		MW-5	EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		NZ-02	EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
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WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
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FIGURE
27

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

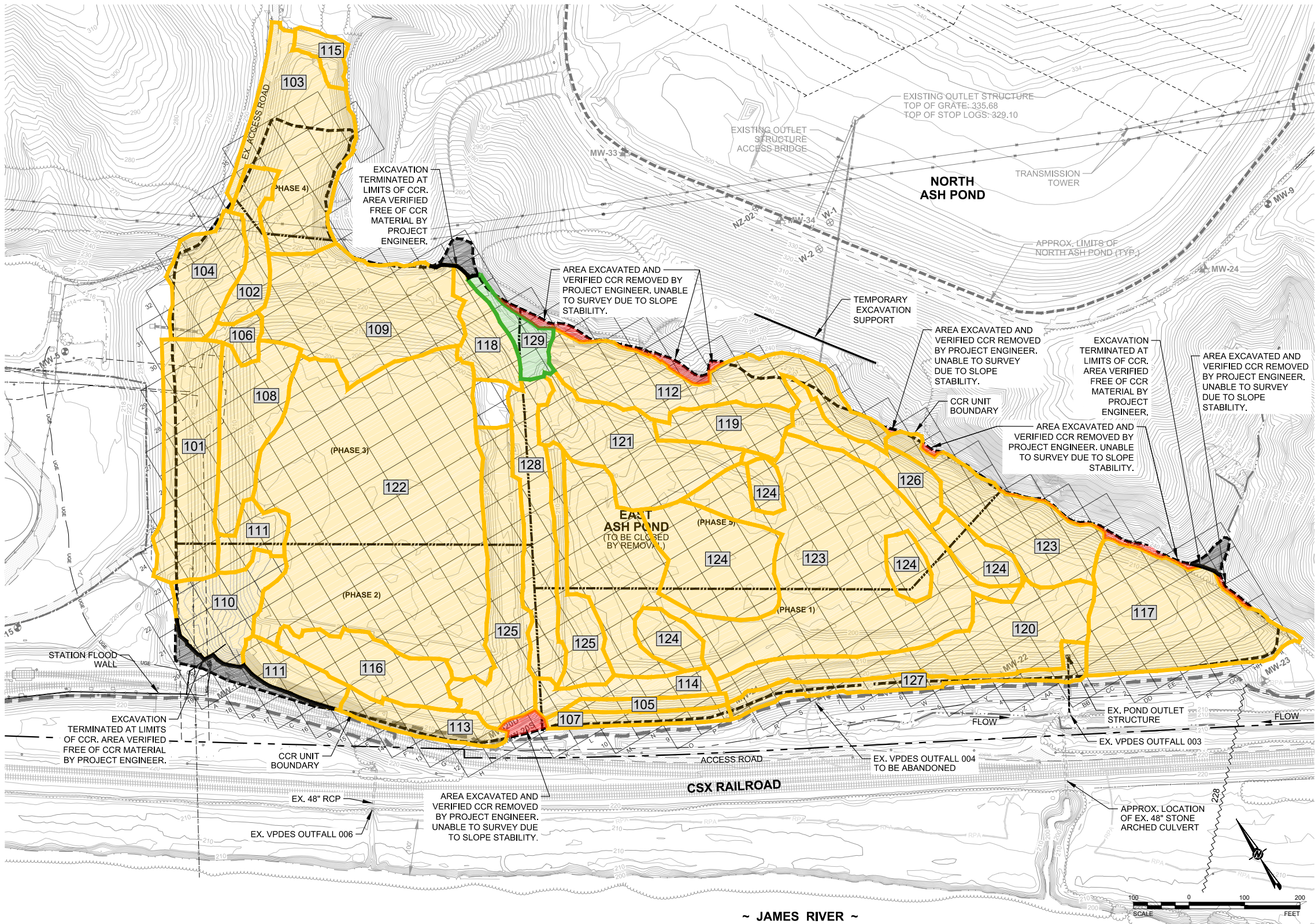
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LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
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- WETLAND DELINEATION BY DOMINION ENVIRONMENTAL SERVICES ON 01/30/15 & 02/05/15 AND BY GOLDER ASSOCIATES ON 03/16/15 & 03/25/15. WATERS OF THE U.S. CONFIRMED BY THE USACE DURING JUNE 4, 2015 SITE VISIT.
- 100 YEAR FLOOD PLAIN DELINEATION BASED ON FLOOD ELEVATION DATA REPRESENTED ON FEMA FLOOD INSURANCE RATE MAP (FIRM), MAP NUMBER 51065C0260C, EFFECTIVE DATE: 05/16/2008.

CLOSURE BY REMOVAL NOTES

- TOPOGRAPHY SHOWN WITHIN LIMITS OF THE EAST ASH POND REPRESENTS THE APPROXIMATE BOTTOM BASED ON HISTORIC DRAWINGS AND FIELD INFORMATION. FOR REFERENCE ONLY.
- PHASED CLOSURE OF EAST ASH POND MAY BE SEQUENCED AS NECESSARY TO SUPPORT CONSTRUCTION AND MAY INCLUDE SUB-PHASES FOR REGULATORY APPROVAL TO SUPPORT ACCESS, SLOPE STABILITY, AND MINIMIZE CONTACT STORMWATER AREAS.
- ANY AREA CERTIFIED AS ACHIEVING CLOSURE BY REMOVAL IS TO BE PROTECTED FROM CCR AND CONTACT STORMWATER, AND MAY BE FILLED AND/OR RESHAPED PRIOR TO ACHIEVING FINAL GRADES.
- ACCUMULATED CCR SHALL BE REMOVED FROM SURFACES WITHIN THE POND LIMITS SUCH THAT NO CCR REMAINS VISIBLE.
- FOLLOWING VISUAL-CLEAN CONDITIONS, OVER-EXCAVATE THE REMOVAL FOOTPRINT BY AT LEAST SIX INCHES.
- VISUAL INSPECTION AND TARGETED SUBGRADE VISUAL SAMPLING TO BE OVERSEEN BY OWNER'S ENGINEER REPRESENTATIVE. SAMPLING TO BE PERFORMED AT A FREQUENCY OF AT LEAST ONE TEST PER ACRE. TARGETED SAMPLING TO CONSIST OF HAND-DUG HOLES AT LEAST SIX INCHES DEEP.
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- EXCAVATED CCR AND SOIL-CCR MIXTURES SHALL BE CONSOLIDATED IN NORTH ASH POND OR TAKEN TO AN OFF-SITE DISPOSAL FACILITY AS DIRECTED BY DOMINION.

PROJECT
CLOSURE BY REMOVAL PLAN
WEST ASH POND & EAST ASH POND
SOLID WASTE PERMIT No. 618

TITLE
EAST ASH POND
SIX INCH REMOVAL CERTIFICATION
CBR FIELD MAP

PROJECT NO.
15-20347QA

REV.
0

FIGURE
29

CLIENT
DOMINION ENERGY
BREM POWER STATION
FLUVANNA COUNTY, VIRGINIA

CONSULTANT

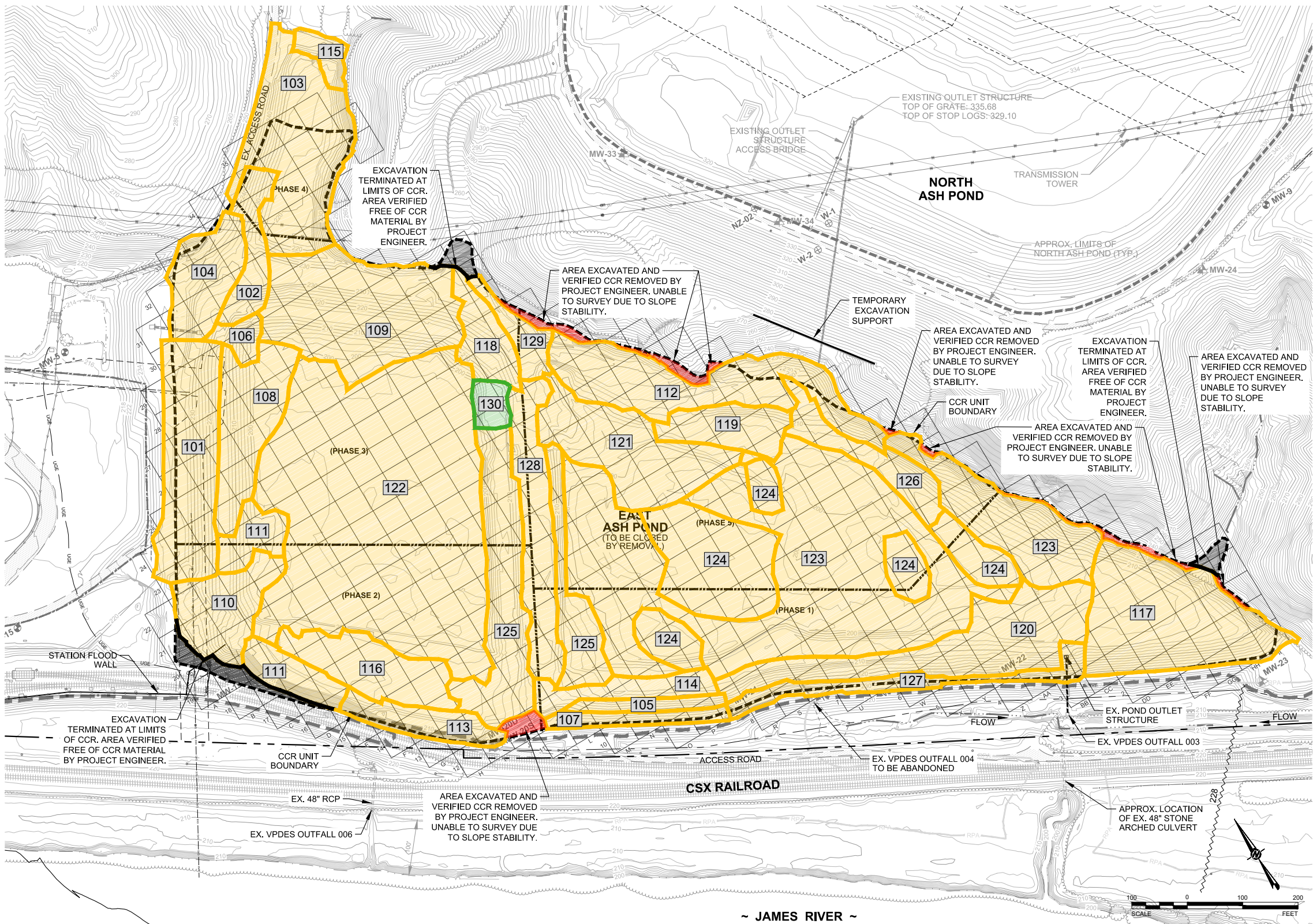
GOLDER ASSOCIATES
2108 WEST LABURNUM AVENUE
SUITE 200
RICHMOND, VA 23227
(804) 358-7900
www.golder.com



IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

0 03/04/19 Area Sketch Map
REV. MW/DD/YY DESCRIPTION
ATN CADD CHECK REVIEW

Path: G:\Projects\Dominion\Brem152-20347QA Ash Pond COA\100 - Field Information\Closure By Removal (CBR)\EAP\02 - 6 Inch Removal.dwg - 6 Inch Area Sketch Map/EAP CBR for Field Map 130.dwg



LEGEND

	DOMINION PROPERTY BOUNDARY		CREEK/STREAM CENTERLINE		EXISTING UNDERGROUND GAS LINE
	ADJACENT PROPERTY BOUNDARY		LIMITS OF RIPARIAN PROTECTION AREA (PER FLUVANNA COUNTY ORDINANCE)		EXISTING MONITORING WELL LOCATION AND IDENTIFICATION
	CCR UNIT BOUNDARY		APPROXIMATE EDGE OF SURFACE WATER		EXISTING PIEZOMETER AND IDENTIFICATION
	EXISTING TOPOGRAPHIC CONTOURS (2' INTERVALS) (FROM AERIAL SURVEY - SEE GENERAL NOTE 1a)		LIMITS OF 100-YR FLOOD PLAIN		EXISTING MANHOLE
	APPROX. POND BOTTOM CONTOURS (2' INTERVALS) (SEE GENERAL NOTE 1c)		BASE FLOOD ELEVATION (100-YEAR, SEE NOTE 4)		APPROXIMATE CLEAN CLOSURE PHASE LIMITS (SUBJECT TO CHANGE BASED ON FIELD CONDITIONS DURING EXCAVATION AND MAY INCLUDE SUB-PHASES)
	EXISTING UNPAVED ROAD		EXISTING TREE LINE		
	EXISTING RAILROAD		EXISTING FENCE		
	WETLANDS		EXISTING OVERHEAD UTILITY LINE		
			EXISTING UNDERGROUND ELECTRIC LINE		

GENERAL NOTES

- EXISTING CONDITIONS COMPILED FROM:
 - AERIAL TOPOGRAPHIC SURVEY PREPARED BY MCKENZIE SNYDER, INC., DATE OF AERIAL PHOTO: 1/16/15 [CONTROL PREPARED BY H&B SURVEYING & MAPPING (H&B)]
 - BOUNDARY SURVEY PREPARED BY H&B SURVEYING AND MAPPING, LLC DATED 04/27/15.
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